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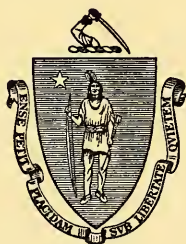


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FIFTY-SEVENTH ANNUAL REPORT
OF
THE TRUSTEES
OF THE
NORTHAMPTON STATE HOSPITAL,
FOR THE
YEAR ENDING NOVEMBER 30, 1912.



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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

LUKE CORCORAN, M.D.,	<i>Springfield.</i>
JOHN McQUAID,	.	.	.	.	<i>Pittsfield.</i>
HENRY L. WILLIAMS, <i>Chairman.</i>	.	.	.	.	<i>Northampton.</i>
CHARLES S. SHATTUCK,	.	.	.	.	<i>Hatfield.</i>
JOSEPH W. STEVENS, <i>Secretary,</i>	.	.	.	.	<i>Greenfield.</i>
EMILY N. NEWTON,	.	.	.	.	<i>Holyoke.</i>
CAROLINE A. YALE,	.	.	.	.	<i>Northampton.</i>

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,	.	.	.	.	<i>Superintendent.</i>
CHARLES H. DEAN, M.D.,	.	.	.	.	<i>Assistant Physician.</i>
B. ANGELA BOBER, M.D.,	.	.	.	.	<i>Assistant Physician.</i>
CHARLES E. PERRY, M.D.,	.	.	.	.	<i>Assistant Physician.</i>
ANNE HUMPHREYS, M.D.,	.	.	.	.	<i>Junior Assistant Physician.</i>
MARY C. COUCH, M.D.,	.	.	.	.	<i>Junior Assistant Physician.</i>
ARTHUR N. BALL, M.D.,	.	.	.	.	<i>Junior Assistant Physician.</i>
HARRIET M. WHITNEY, M.D.,	.	.	.	.	<i>Physician to Out-patient Department.</i>
LEWIS F. BABBITT,	.	.	.	.	<i>Treasurer (office at the hos- pital).</i>
THOMAS H. BUTTERWORTH,	.	.	.	.	<i>Engineer.</i>
CARL W. HAMMOND,	.	.	.	.	<i>Farmer.</i>
SUSAN E. WARREN,	.	.	.	.	<i>Matron.</i>

The Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital present herewith their report for the year ending Nov. 30, 1912.

The reports of the superintendent and treasurer accompanying this give in detail an account of the management and financial affairs of the hospital. Reference to them shows that the year has been filled with many varied activities.

The operations of the hospital have been economically conducted. The cost of support of patients for the year was \$182,664, equivalent to a weekly rate of \$3.91 per patient. This is a little larger than the rate of a year ago, and is to be accounted for by the larger expenses for foodstuffs.

The receipts for the year were \$51,953, principally from board of inmates. This amount reduces the weekly cost to the State to \$2.83 per patient, practically the same as last year.

Besides these receipts in cash the hospital furnished products for the support of patients to the value of \$58,561.

Work on the new bakery and new laundry, for which appropriations were made last year, has progressed favorably. The new ovens have been in use about two months and prove to be very satisfactory. The machinery for the laundry has been received and is being installed by our own force of employees, with the help of patients, who also are doing all the piping for steam and water, and the electric wiring. This prolongs the work, but will effect a saving to the State of several hundred dollars.

The number of patients supported by the hospital is steadily increasing in spite of the relief afforded by our boarding-out system and by the transferring of patients to other institutions by the State Board of Insanity. Before long quite extensive provision must be made to care for this increase either in Northampton or somewhere else in the western part of the State, as

suggested in former reports. There are now from 80 to 90 women patients sleeping in corridors needed for daytime use. To provide relief in a measure for this overcrowding we have made plans for a dormitory to accommodate 84 patients at an estimated cost of \$41,000, and shall request the Legislature to grant an appropriation for the purpose.

The boilers now in use in our steam plant have been in service since January, 1893, and are about to be condemned by the State inspector because of old age. They are of a type no longer allowed to be installed by the laws of the state. The State inspector has cut the steam pressure at which they may be operated from 100 to 65 pounds. Their capacity is inadequate for our present needs; the future growth of the hospital will require boilers of greater horse power. We request the Legislature to make an appropriation for the purchase and setting of such new boilers as we need, the estimated cost, \$16,000, being based on quotations from three different firms of boiler-makers.

Several structural changes that will benefit the women patients of the first and second halls are desirable, and we ask for an appropriation for this purpose.

The first halls are pleasant till midday, after which they have no direct sunlight. It is proposed to remove the three windows at the south end of the corridor and to build a bay 20 feet wide by 10 feet in depth. The walls of this will be almost wholly of window surface. This will not only add to the comfortable appearance but will afford more light and will furnish better facilities for open-air treatment.

The corridor connecting the infirmary building for women to the main building is one story high. To get from the upper floors of one building to the corresponding floors of the other it is necessary to go down stairs and up again. The foundation walls of the present structure are heavy enough to sustain the weight of walls carried two stories higher. To do this is very desirable, as it will not only provide passageways between the buildings on each floor, but will also provide a sun room and a piazza on each floor, where the old ladies from both the infirmary and the second halls may get out of doors without going down stairs and up again, and in all kinds of weather.

It is estimated that these changes will cost \$7,000, and we

request the Legislature to appropriate this amount for the purpose. Incidentally, this will make available space where beds for 18 patients may be placed permanently.

Two pieces of land adjoining hospital property have recently come into the market. We think it advantageous for the hospital to purchase these. One is a tract of 75 acres lying next to one of our pastures, to which it will make a very desirable addition. For years we have had to rent land for pasturage, the present year having paid \$165 for this purpose. The other piece lies next our coal siding on the New York, New Haven & Hartford Railroad. This piece has been wanted by us for several years to increase our facilities for unloading coal and for making better provision for hauling it to the hospital. There are $2\frac{1}{2}$ acres in the lot, and on it is a house that can be made useful as a tenement for one of our employees. We have 9 such tenements and find their use of much advantage to the hospital. We shall ask for an appropriation of \$6,700 to purchase these two lots, one at \$2,500, the other at \$4,200.

There have been the following changes on our medical staff: Dr. Charles E. Perry was appointed to take the place made vacant by Dr. Whitney's resignation last year, and began his service on August 6. In June, Dr. Charles Stanley Raymond resigned to enter private practice, having served with credit for six years. To our sorrow Dr. Eliza P. Brison was obliged to resign because of illness. It is hoped that she will be able to return to the service. To take her place Dr. Anne Humphreys was appointed, beginning her service August 13. Dr. Arthur N. Ball and Dr. Mary C. Couch were appointed as internes for a year's service, beginning service on October 1 and September 9, respectively.

Respectfully submitted,

LUKE CORCORAN, M.D.
JOHN McQUAID.
HENRY L. WILLIAMS.
CHARLES S. SHATTUCK.
JOSEPH W. STEVENS.
EMILY N. NEWTON.
CAROLINE A. YALE.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

I hereby submit my report of the operations of the hospital for the year ending Nov. 30, 1912.

On Oct. 1, 1911, there were 898 patients in the hospital. During the following year 362 were admitted, making a total of 1,260 under our care, and 388 were dismissed, leaving 872 on Sept. 30, 1912.

The largest number on our records on any one day was 941, which is 23 more than the largest number at any time in any previous year.

The daily average number supported was 897, an increase of 14 over last year.

The State Board of Insanity relieved our overcrowding by transferring patients to other institutions, otherwise our daily average number would have far exceeded 890, the number for whose support the Legislature made appropriation.

Our experience of the last few years leads to the expectation of an increase in the daily average number to be supported of from 20 to 25 annually, and unless the State Board of Insanity can relieve us as it has this year and last by transferring patients to other institutions, we must ask the Legislature for means to provide for them, either by making additions to the present hospital buildings or by building branch institutions in other counties. The latter plan has many advantages that commend it to the careful consideration of your Board. Meanwhile, some relief must be obtained from the overcrowding that now exists. On the first day of the hospital year, 133 patients were sleeping in beds made up in the corridors, and many rooms intended to accommodate one patient were occupied by two. A dormitory can be built at a low cost per patient, to be connected to the third halls on the women's side, to take care of most of these extra beds. I submit this for your approval.

Of the patients who were admitted, 333 were committed by the courts; of these, 43 had been here before; 34 came under the temporary care act; 19 were admitted under the voluntary commitment act; 4 were transferred from other institutions or from family care; 10 returned from trial visits with friends or relatives and 1 returned from escape. Of those regularly committed 271 had never before been in any hospital for the insane.

There is a gradual increase in the proportion of persons admitted of foreign birth, 41 per cent. of all persons admitted the past year being foreign born, 61 per cent. being of foreign parentage. Only 37 per cent. were born in Massachusetts. Ireland was the birthplace of 39, Canada of 20, England and Scotland of 15, Germany of 12, Italy of 6, Austria, Hungary, Russia and Poland of 31. This increase comprises a large part of the total increase in the number of patients cared for. Many of them are of the lowest types, undesirables, whose insanity either existed at the date of their arrival in this country or was from causes existing prior to their coming. Of the patients admitted during the year, 27 could speak no English nor understand more than a few words.

Sixty of the patients admitted were more than sixty years of age, 12 of these being eighty years old or more.

The insanity was of short duration in only a small percentage of cases. In 111 cases it was congenital or due to causes operating in infancy or childhood, and in 55 cases old age, with its degenerative changes, seemed to be the principal factor of causation. Arteriosclerosis, cerebral hemorrhage, epilepsy, trauma of the head, syphilis and gross brain disease were causes in 31 cases. Intemperance was the chief cause in nearly 70 cases. Hereditary tendencies, as usual, were found in a large proportion of cases and seemed to be the principal cause in 45 cases.

A study of the table of forms of disease in patients admitted will show how few of the cases admitted were of types of insanity from which recovery may be expected.

There were 8 cases of voluntary commitment in the hospital at the beginning of the year and 19 more came during the year. Some of these needed to be committed by the courts later, but others continued under treatment till discharged as cured, while

5 remain at the end of the year, 4 insane and 1 not insane. We advise this form of commitment in all suitable cases, because in this way some may be persuaded to begin treatment sooner than if they wait for regular commitment, and in many cases the feeling that they may terminate their stay here by their own will tends to make them more contented.

More cases were discharged this year than were admitted. This happened largely because the State Board of Insanity, to relieve our overcrowding, transferred 26 patients to the Gardner State Colony, 33 to Medfield State Asylum, 17 to Worcester State Asylum, 1 to Westborough State Hospital and 1 to Monson State Hospital.

The status of those discharged was as follows: recovered, 55; capable of self-support, 58; improved, 51; not improved, 28; not insane (including inebriates and voluntary cases), 15. At the end of the year, 67 were away on trial visit, most of whom will undoubtedly be able to remain away. Ninety-four patients died, .076 per cent. of the persons under treatment. Forty-one of these died from old age or from the troubles incident to old age; 9 from cerebral hemorrhage; 8 from general paralysis of the insane; 9 from tuberculosis; 7 from endocarditis and myocarditis; and the others 1 each from various causes.

We reported a case of pellagra last year. Since then two cases have been admitted, one of whom died and the other was discharged. A third case, which has been in the hospital many years, has symptoms strongly pointing to the disease, but not pronounced enough to make a positive diagnosis.

For fifteen months we have been working along the lines suggested in our reports of last year and the year before, whereby we can keep in better touch with patients who are away from the hospital. Dr. Whitney, who was appointed to this service, is peculiarly fitted for it because of her previous long connection with the hospital as assistant physician. Her work, which has proven the wisdom of the undertaking, has been advantageous to the hospital, to the patients who are away from the hospital, and to the public. She has not restricted her work to those who are or who have at some time been patients of the hospital, but has visited and advised others, thus combining the duties of field worker with those of social service worker.

Much of her work has been devoted to the placing of patients in family care. From 1905, when hospitals were first permitted to board patients in private families, to Oct. 1, 1911, we had placed 33 patients in family care, in addition to those so boarded out by the State Board of Insanity. Following the engagement of Dr. Whitney we have made efforts to increase the number so cared for. At the beginning of the year there were 10 women boarded out, which number was increased by 18 women and 2 men, making a total for the year of 30 in private families under hospital supervision.

When suitable patients and good homes for them can be found, this system works well. During the year only 4 patients had to be brought back to the hospital, 3 of these because of illness of the patient, 1 because she became too disturbed mentally to remain away.

Four of those in family care are self-supporting, that is, they earn their board by helping in the families with whom they live; all are partially self-supporting and one is earning his board and \$15 a month as a farm laborer. The discharge of the latter from hospital supervision is being considered.

We feel that we have made a good beginning and hope that as the system is better understood by relatives of the patients and by the public we may be able to place a much larger number in family care.

We have learned that there are serious hindrances to the placing out of as large a number as is thought possible by sanguine advocates of the system who have had little practical experience. First, we have always tried to persuade the relatives to take to their own homes patients who would otherwise be suitable for boarding out. This limits the selection of cases to a comparatively small number. Then comes the difficulty of finding suitable homes and of fitting patients and homes to each other. Dr. Whitney visited 29 families who had applied for patients. Eight of these were rejected as unsuitable because of untidy conditions of the house; 5 because the homes were inaccessible; and 3 because of unfitness of the families to care for patients.

Of the families who were selected as suitable, 9 wrote to us later refusing to take patients, giving various reasons, such as

the low rate of board paid, a preference for State children, and fear of the insane by some member of the family. The families that apply for boarders wish to take them for the board money they will receive or for the help the patient will give in the house or on the farm.

Many of the friends of patients object to their being boarded away from the hospital, at least till more fully understanding the purpose and learning some of the results in similar cases. As this was being written a letter was received from a man protesting against our placing his mother in a family. He feared that his mother might be placed in an isolated locality inconvenient for visitation, or that she might not be treated as well as she is in the hospital. He writes, "While I fully realize that it would be to your interest to place her in a respectable family, I feel that their only interest would be the consideration for which she was boarded." Others express the fear that the patient will not be as happy and as comfortable as at the hospital; and others still that they themselves will be subjected to criticism for not taking the patients home instead of allowing strangers to care for them. Then also some of the patients object, and several have refused to go to places selected for them. They think they will be less comfortable or will have to work hard or will miss the companionships formed at the hospital. They dislike leaving the comforts of the hospital for unknown conditions. Some object to going anywhere except to their own homes or to their own supervision of themselves, saying that if they are well enough to work for others they can work and care for themselves. It is to be said, however, that most of the patients who are placed out soon become contented in their new surroundings.

Dr. Whitney made 64 visits to 43 patients who were absent from the hospital on visits, 4 of whom were advised to return to the hospital for further observation. Three of these remained a few days and were again discharged on visit and 1 still remains in the hospital.

One old lady was found tied in bed. Her relatives claimed ignorance of the law regarding restraint of insane persons, and as the patient was otherwise well cared for, on their promise not to offend again she was transferred to boarding out. She is

frequently visited by one of our physicians and has since been doing very well.

Another patient's visit was once renewed and at her own request she was then boarded out that she might continue under hospital supervision.

In many cases advice as to occupation, food, recreation, etc., was given, and in some cases prescriptions have been given to patients who appeared in need of them. In these cases patients and relatives have appeared grateful for the interest taken in them, and some benefit has been derived. In several cases the relatives of patients who were still in the hospital were visited and a report of the patients' condition was made to them. It has pleased them that the hospital should manifest such interest, and has created a feeling of confidence in the management.

The condition of ten patients prior to commitment was investigated. Many individuals who might be acquainted with the patients were visited and questioned. Facts leading to the deportation of two cases were ascertained and facts concerning the previous history of the entire number were learned.

In nine cases the homes of relatives applying for the discharge of patients who were not fully recovered were visited. In several cases the surroundings were found to be such that it was considered advisable for the patient to remain in the hospital. Poverty and squalid, unhygienic surroundings probably would have caused a speedy relapse in the patient's mental condition. The inability of the persons who would have the care of these cases to supervise them was also taken into consideration, and in several cases discharge was refused.

Application for the removal of a tubercular patient was made by her sister. Investigation showed that a family of nine were living in a five-room tenement, where the kitchen was the only heated room and was the living apartment of the family. It received no sunshine. The patient would have slept in a room with three other persons, sharing a bed with one of them. This family of nine were dependent upon three wage earners whose combined earnings were insufficient to care for them properly.

In a case where a return to her own home was inadvisable, a temporary home with relatives, who secured employment for the patient, was arranged.

The mother of a feeble-minded boy applied for his discharge. A visit showed that the mother with another son, who was confined to bed with rheumatism for six months, and a feeble-minded daughter, were living together in two rooms which were indescribably squalid. The daughter worked in a mill and the mother did day-work, so could not supervise the patient during the day. Discharge of the patient was refused because he had been intemperate and, as no work could be obtained for him, he would become a menace to the community.

In four cases relatives were advised that the patient should be given a trial outside the hospital; work was secured for two men who were discharged; homes were secured for two women who have since done well. None of these home conditions could have been easily learned except through the personal visits of a social worker.

Several cases were seen in consultation with other physicians and commitment recommended to the hospital or to other institutions, such as the School for Feeble-minded. In one case a patient was taken to the State hospital as a voluntary patient.

The value of employment in treatment of patients has been noted repeatedly in the annual reports of the hospital for more than fifty years. Not infrequently some zealous but not well-informed advocate of such measures advises their employment in our hospitals, unaware of the extensive use of them that has been made for years.

A brief statement of some of the things done here may be of interest, though similar to what has been mentioned in former reports. Every patient who is physically strong enough and whose mental state does not preclude it, is required to do something to occupy time and attention. Many of them, besides caring for their own rooms, are engaged in the routine housework of the institution, in cooking, washing, ironing and mending. They make articles of wearing apparel, — dresses, aprons, shirts, overalls, underwear, towels, sheets and the like. Reference is made to the table, on page 24, accompanying this report, which shows the number of articles made during the year. A list of the articles of clothing mended numbers 46,000 pieces for the year.

Women have been engaged in the gardens picking strawber-

ries, currants, pease, beans and tomatoes, and several of them have had garden plots to care for in which they have raised not only flowers but tomatoes, cucumbers, lettuce, onions, radishes, etc, which they have had for use in their own dining rooms for salads, pickles, etc.

Fifty-three women were engaged in embroidery, crocheting and knitting; in making bags, cushion covers, woven rag rugs, braided rugs, bed slippers, baskets from raffia, handkerchiefs, lace, knitted face-cloths and beaded purses; in tatting, netting, molding in clay, drawing and painting and in millinery.

The men have worked in the kitchen, bakery, laundry, carpenter shop and machine shop, at the barn and stable, on the farm, in the gardens, at grading, excavating, making roads and sidewalks and laying cement floors. Eight or nine have been helping frame an ice house. They have made all the tinware in use in the hospital, have cane-seated 43 chairs, one of them having made the loom on which the cane seats were woven. They have made 537 brooms and 87 whisk brushes of broom corn raised on the farm, using over again many of the handles from the worn-out brooms. They have made 156 hair pillows and 594 mattresses; some of these of new materials, but many of old materials steamed and repicked. They have tapped 469 pairs of shoes and have put heels on 587 pairs; have reframed about 30 large pictures for the wards; have repaired many broken pieces of furniture. They have painted the walls of several wards and of many of the patients' rooms under the supervision of the nurses, besides working with our painters. Considerable printing has been done by a patient, such as envelopes, cards, notices, visiting rules and blanks for many uses, and he has made all the envelopes for our case histories. Besides the above there have been individual things done too many to enumerate.

Patients are taken out to walk every pleasant day. In the warm weather they are out morning, afternoon and evening. Out-of-door games are made use of, as croquet, tennis, basket ball, etc., for the women and baseball for the men. Last winter many of the patients went coasting daily on the hill in front of the hospital. Many went to the Three Counties Fair and often attended some entertainment in town.

One hundred and fifty-five assemblies of patients have been held. The following is a list of the entertainments: readings by some member of the staff on 40 evenings; dancing on 20 evenings; card parties on 8 evenings; stereopticon lectures on 2 evenings; phonographic concerts on 5 evenings; dramatic entertainment by patients and nurses on 1 evening; December 18, concert, Mr. Bill and Mr. Strout; December 25, Christmas tree; January 9, musical, Mr. Brigham; January 15, musical, Mr. and Mrs. Peterson; January 23, dramatic entertainment, Mrs. Mills and young people of Amherst; January 29, concert, Miss Holmes, Mr. Sonnella and Mr. Payne; February 3, Northampton High School Dramatic Club; February 20, musical, Mr. McKean, Mr. Hosmer and the Misses Duma of Springfield; February 24, musical, Mr. W. O. Crocker; February 27, Amherst High School Glee Club; March 4, lecture, Mr. Peterson; March 18, entertainment, Mr. Harrell; April 2, musical, the Misses Woods; April 8, Dramatic Club of Amherst High School; April 20, entertainment, Mr. Reynolds; May 7, reading, Mrs. Moulton; May 13, musical, Smith College students; May 20, dramatic entertainment, Mr. and Mrs. Mills and young people of Amherst; June 17, musical, the Misses Woods; September 23, entertainment, Mr. Lorraine; October 21, entertainment, Mr. Taggart; October 31, Hallowe'en party; November 16, entertainment, Mr. Clark; November 29, musical, the Misses Woods. At each of these gatherings music forms some part of the entertainment. The patients march in and out to music and the readings are preceded and followed by singing by the choir.

We have a library of 2,200 volumes which patients are allowed to use. About 1,000 volumes a year are reported as being taken out. In addition, we subscribe to 32 papers and magazines, which are freely circulated. Many of the patients have papers sent them, and they have the use of a considerable number subscribed for by employees. Friends of the hospital frequently send us old magazines, which are gratefully received.

Religious services have been held every Lord's Day afternoon, the clergymen of the neighborhood kindly officiating. I take opportunity here to express our appreciation of their kindness in coming, frequently at considerable inconvenience to them-

selves. Beginning with the new hospital year special services will be held each Lord's Day for the patients who are of Catholic faith.

The season has been an excellent one for the farm, as is shown by the table of farm products. Many of the crops were larger than the average for the past few years.

The cows have been tested for tuberculosis regularly, as heretofore.

Many feet of fencing have been renewed and about an acre and a half of land covered with brush and large stones have been reclaimed and will be in a tillable condition the coming year.

The most important things done during the year in repairs and improvements are noted below for the purpose of record: —

New fire-alarm gongs were put up, one in each ward throughout the hospital. The underground electric wires from the engine room to the lights along the driveway, a distance of 1,250 feet, were taken up and relaid, bedded in pitch, in a wooden trough; 350 feet of wires from the engine room to the women's infirmary were treated in the same way.

About 1,300 feet of 1½-inch old water pipes were taken up and replaced with new to supply the houses for employees near the river.

Two hundred feet of 10-inch Akron pipe that conducts away the surface water from the roads near the kitchen, laundry and shops were taken up and relaid.

A tunnel extending from the boiler rooms to the new laundry building was constructed for the purpose of carrying the water and steam pipes and the electric wires to supply the laundry. This extends under the building for patients who work on the farm. From there to the laundry, a distance of 245 feet, it is 4 feet wide by 5 feet high, the bottom and sides being made of cement, the arched top of brick.

The following cement work has been done: a new washstand in the horse stable was laid; retaining walls were built at the entrance to the basement of the stable; foundations for the new ovens were put in and foundations for a new ice house; a floor in the new laundry over the entire surface was laid; sidewalks were built along two sides of the laundry, around the north and west ends of the employees' buildings and near the new bakery.

A road was built down the hill from the laundry to the ice house, many cubic yards of stone and earth being used.

In all the above, the excavating, grading and moving of earth has been done by patients, who have also mixed and helped lay the cement work.

Grateful acknowledgment is made to the following persons for gifts and services: to Mrs. J. L. Egbert, Mrs. W. T. Parker, Mrs. J. J. Delaney, Mrs. J. J. Sullivan and Miss Elizabeth Kahn for gifts for the Christmas tree; to Mr. Perkins for paper napkins and doilies; to Mrs. Graves, Mr. R. L. Beekman, Mrs. Warren, Mrs. Ganong, Mrs. Ross, Mr. Lyman and to the college houses for magazines and papers; to Mr. Payne, Mr. McKean, Mr. Crocker and to the Smith College students for an evening's entertainment; to the publishers of "Christian Register," "Dumb Animals," "The Healthy Home Quarterly," "The New Church Journal," and "The Christian Science Monitor" for regular copies of their publications.

JOHN A. HOUSTON,
Superintendent.

DIETARY OF THE NORTHAMPTON STATE HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about three hundred persons and the second to the remainder. In addition to these, about 190 quarts of egg and milk are taken through the wards between meals and at bed time and distributed to the old, the feeble and the convalescent cases.]

BILL OF FARE No. 1.

BREAKFAST.

Monday. — Tea, coffee, oatmeal, broiled beefsteak or eggs, potatoes, corn cake, bread and butter.

Tuesday. — Tea, coffee, oatmeal, fried tripe, potatoes, warm rolls, sausage in winter, bread and butter.

Wednesday. — Tea, coffee, oatmeal, broiled beefsteak or eggs, potatoes, warm brown (rye or Indian) bread.

Thursday. — Tea, coffee, oatmeal, broiled beefsteak, potatoes, warm rolls, bread and butter.

Friday. — Tea, coffee, oatmeal, fried tripe, potatoes, warm rolls, pork steak in winter, bread and butter.

Saturday. — Tea, coffee, oatmeal, either fried fish balls or liver, meat hash, hot corn cake, bread and butter.

Sunday. — Tea, coffee, oatmeal, eggs, potatoes, bread and butter..

DINNER.

Monday. — Roast beef, potatoes and one other vegetable, bread and butter, boiled rice with syrup or sugar.

Tuesday. — Vegetable soup, roast or stewed veal or beef, roast pork in winter, potatoes and one other vegetable, bread and butter, cornmeal mush.

Wednesday. — Either roast pork or beef, potatoes and one other vegetable, bread and butter, berry or apple pudding, with sauce.

Thursday. — Vegetable soup, corned beef, potatoes and one other vegetable,¹ bread and butter, boiled suet pudding with syrup.

Friday. — Either fried or baked fresh fish,² potatoes and one other vegetable, bread and butter, tapioca pudding or raisin pudding of either rice, bread or cracker.

¹ At least three vegetables during the summer.

² Substituted by stewed oysters in winter, with some kind of roasted meat for those who prefer it.

Saturday. — Baked beans, corned beef, potatoes and one other vegetable, pickles, bread and butter and baked bread pudding.

Sunday. — Stewed mutton or boiled shoulders, potatoes, pickles, bread and butter and pies, the kind varying with the season.

SUPPER.

Monday. — Tea, bread and butter, soft gingerbread and a relish.¹

Tuesday. — Tea, bread and butter, soft gingerbread and a relish.¹

Wednesday. — Tea, bread and butter, pie (varying with the season), graham bread and cheese.

Thursday. — Tea, bread and butter, cookies and a relish.¹

Friday. — Tea, bread and butter, cake (the kind varying) and a relish.¹

Saturday. — Tea, bread and butter, cookies and ginger snaps and blanch-mange or corn starch and sauce. Hulled corn once in two weeks.

Sunday. — Tea, bread and butter, cornstarch pudding, cookies, ginger snaps and a relish.

BILL OF FARE No. 2.

BREAKFAST.

Monday. — Coffee, oatmeal, boiled eggs, potatoes, bread and butter.

Tuesday. — Coffee, oatmeal, cold roast beef, potatoes, bread and butter.

Wednesday. — Coffee, oatmeal, boiled eggs, potatoes, bread and butter.

Thursday. — Coffee, oatmeal, pickled codfish cooked in milk, potatoes, bread and butter.

Friday. — Coffee, oatmeal, cold corned beef, potatoes, bread and butter.

Saturday. — Coffee, oatmeal, hash, either meat or fish, bread and butter.

Sunday. — Coffee, oatmeal, boiled eggs, potatoes, bread and butter.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable, boiled hominy with molasses, bread and butter.

Tuesday. — Vegetable soup, potatoes and one other vegetable, bread, corn meal mush with syrup.

Wednesday. — Boiled codfish, potatoes and one other vegetable, boiled hasty pudding with molasses, bread and butter.

Thursday. — Vegetable soup, potatoes, cabbage or some other vegetable, boiled rice with molasses, bread and butter.

Friday. — Boiled fresh fish, potatoes, beets or some other vegetable, boiled hasty pudding with molasses, bread and butter.

Saturday. — Hot baked beans, potatoes, pickles, bread and butter, bread pudding.

Sunday. — Cold corned beef, potatoes, pies, bread and butter.

¹ This term, used for want of a better, includes dried beef, berries, baked apples, apple sauce and canned fruit, all of which are supplied, and each according to the season.

SUPPER.

Monday. — Tea, bread and butter, gingerbread, sauce.

Tuesday. — Tea, bread and butter, soft gingerbread, sauce.

Wednesday. — Tea, bread and butter, gingerbread and some kind of relish.

Thursday. — Tea, bread and butter, cookies, sauce.

Friday. — Tea, bread and butter, soft gingerbread, sauce.

Saturday. — Tea, bread and butter, cake, sauce.

Sunday. — Tea, bread and butter, cookies, sauce.

EXTRAS.

Hulled corn at supper on Saturdays.

In August and September these tables are furnished with either berries, tomatoes or baked apples as many as five times a week.

In eight halls, sauce of either fresh or dried apples is furnished five times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day and on Christmas, with vegetables, celery, cranberry sauce, pudding and pie.

From four to five barrels of green sweet corn in the ear are consumed in its season, daily, with the exception of Sunday.

Strawberries, tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring spinach and Swiss chard are largely used as greens, and horse-radish as a condiment.

Beef tea, chicken broth, mutton broth, scalded milk, oatmeal gruel, milk punch, oatmeal porridge, dry toast, milk toast, toast with dropped eggs, meat hash, beefsteak, grape juice, jelly, canned fruit and fresh fruit for invalids and all who are not able to take the regular fare.

Three halls have fresh fruit for dinner on Sundays, Tuesdays and Fridays.

ARTICLES MADE IN SEWING ROOM.

Aprons,	447	Milk cloths,	146
Bath robes,	10	Napkins hemmed,	117
Binders,	2	Neckties,	12
Bloomers,	2	Nightgowns, long,	74
Bureau covers,	317	Nightgowns, short,	933
Caps,	465	Obstetrical pads,	2
Chemises,	101	Oversleeves, pairs,	2
Clothes bags,	11	Petticoats,	191
Corset covers,	53	Pillow cases,	1,349
Covers for extractor,	4	Pillow ticks,	7
Curtains, sash,	36	Rugs bound,	40
Curtains, screen,	57	Shirts,	388
Curtains, shades,	185	Shirt waists,	25
Curtains, muslin,	18	Sheets,	1,259
Drawers,	56	Slings,	24
Dresses,	205	Sofa pillow covers,	12
Dresses made over,	51	Stand covers,	335
Dress skirts,	3	Table cloths,	112
Dress skirts made over,	30	Towels, roller,	12
Dust cloths hemmed,	6	Towels,	3,323
Filter cloths,	6	Towels rehemmed,	1,543
Holder,	136	Vests made larger,	2
Mattress ticks,	69	Articles repaired,	46,047

WORK DONE IN INDUSTRIES DEPARTMENT.

Hair mattresses made, new material,	8
Hair mattresses made, old material,	498
Hair mattresses made, old hair, new ticks,	88
Hair pillows made, old hair, new ticks,	41
Hair pillows made, old hair, old ticks,	115
Chairs caned,	43
Brooms made,	537
Whisk brooms made,	86
Shoes tapped, pairs,	469
Shoes heeled, pairs,	587

PRESERVING DONE IN KITCHEN DEPARTMENT.

Blackberries, quarts,	12	Cucumber sweet pickles, gal-	
Blueberries, quarts,	168	lons,	13
Cherries, quarts,	85	Tomato sweet pickles, gallons, .	4
Citron, quarts,	68	Tomato ketchup, bottles, .	114
Gooseberries, quarts,	67	Tomato chow-chow, gallons, .	40
Peaches, quarts,	73	Tomato Chili sauce, gallons, .	24
Plums, quarts,	58	Pepper hash, quarts,	17
Raspberries, quarts,	40	Apple and raspberry jelly,	
Raspberry jam, quarts,	35	glasses,	64
Rhubarb, quarts,	155	Currant jelly, glasses,	80
Tomatoes, quarts,	567	Grape jelly, glasses,	16
Citron sweet pickles, gallons, .	12	Currant jelly, quarts,	16
Cucumbers, salted, barrels, . .	2		

OFFICERS AND EMPLOYEES.

[Time employed, Nov. 30, 1912.]

NAMES.	Years.	Months.	Days.
John A. Houston, M.D., superintendent, . . .	23	2	7
Charles H. Dean, M.D., assistant physician, . . .	12	6	21
B. Angela Bober, M.D., assistant physician, . . .	1	2	2
Harriet W. Whitney, M.D., assistant physician, . . .	13	8	17
Charles E. Perry, M.D., assistant physician, . . .	—	3	26
Anne Humphreys, M.D., assistant physician, . . .	—	3	19
Mary C. Couch, M.D., assistant physician, . . .	—	2	22
Arthur N. Ball, M.D., assistant physician, . . .	—	2	—
Lewis F. Babbitt, treasurer,	21	1	18
Burton G. Fiske, supervisor,	9	1	15
Alice E. Bedell, superintendent of nurses, . . .	10	3	20
Susan E. Warren, matron,	18	8	8
Martha G. Jones, secretary to superintendent, . . .	19	4	11
Carl W. Hammond, farmer,	2	9	—
William J. Moore, steward,	16	1	3
George Begor, assistant steward,	5	2	9
Ord Thomas, assistant steward,	3	2	9
Rachel C. Packard, stenographer,	3	7	—
M. M. Perry, stenographer,	—	3	—
Susan E. Norton, clothesmarker,	4	7	29
Leon E. Bruce, baker,	7	5	4
Arthur L. Hubby, assistant baker,	1	10	23
George W. Thorniley, florist,	19	7	11
Thomas Butterworth, engineer,	5	—	17
William Day, assistant engineer,	14	7	29
Isaac Fisk, assistant engineer,	3	8	24
Francis Pond, assistant engineer,	4	4	5
Raymond Fisk, fireman,	1	10	30
Ernest Holmes, fireman,	1	1	12
Tefield Lucier, fireman,	1	1	—
Grover Wentzel, fireman,	3	—	2
George Forsythe, fireman,	—	—	2
Helfrid L. Fiske, seamstress,	6	10	19
Celia Hamel, seamstress,	1	—	23
Gertrude McCauley, seamstress,	—	2	6
Margaret Tobin, seamstress,	1	8	23
Addie M. Wood, seamstress,	2	7	20
Charles E. Williams, laundryman,	15	2	29
Katharine McGrath, laundress,	4	5	17
Nellie McGrath, laundress,	5	1	22
Ellen Moore, laundress,	6	5	2

NAMES.	Years.	Months.	Days.
Addie West, laundress,	2	2	19
Nora Pond, laundress,	—	—	16 $\frac{1}{2}$
Emma Billings, usher,	1	10	7
Frances E. Packard, usher,	1	1	30
Alice Campbell, housemaid,	—	5	12
Kate Flaherty, housemaid,	3	—	27
Emma Kellogg, housemaid,	1	—	22
Jennie Pederson, housemaid,	1	2	23
Grace Thomas, housemaid,	—	—	13
Kate Moran, center dining room,	—	4	26
Theresa Pvorcan, center dining room,	2	—	26
Annie Canning, kitchen maid,	—	4	26
Agnes Gotski, kitchen maid,	2	7	18
Nora O'Neill, kitchen maid,	—	1	7
Victoria Ridgeck, kitchen maid,	—	3	2
Mary Spelman, kitchen maid,	1	4	27
Anna Thomas, kitchen maid,	2	1	22
Emil Erxleben, kitchen,	—	9	24
Katharine Ridgeck, cook,	—	6	22
Margaret Stone, cook,	—	1	28
Harry W. Love, night nurse,	8	11	22
Fred D. Aldrich, nurse,	12	11	18
John Barclay, nurse,	—	5	21
Alexander Beaton, nurse,	7	4	14
John J. Bradley, nurse,	4	6	18
Charles Cadette, nurse,	—	1	25
E. T. Campbell, nurse,	—	10	29
Geo. M. Clark, nurse,	—	8	9
Albert Claydon, nurse,	—	4	9
Timothy Feeney, nurse,	1	—	4
Arthur Frederick, nurse,	—	3	—
Wm. F. Gay, nurse,	1	6	30
Eugene Grace, nurse,	—	4	19
John E. Greene, nurse,	2	6	2
Axel Gustafson, nurse,	2	6	30
John Harkness, nurse,	2	6	30
Willard E. Hawxhurst, nurse,	1	6	22
Matthew Hudson, nurse,	1	6	17
James H. Joy, nurse,	—	11	4
Robert Kinney, nurse,	1	2	20
Ernest Manning, nurse,	1	2	23
Charles Mansfield, nurse,	—	11	23
Michael McCaffrey, nurse,	3	2	13
Richard McDonnell, nurse,	—	3	23
Carl Nykuist, nurse,	1	8	12
Alfred Owen, nurse,	3	9	12
Charles Pease, nurse,	6	6	6
Louis Rayno, nurse,	—	4	13
Thomas Smart, nurse,	1	8	21
F. Smith, nurse,	1	2	23
Moise Vallancourt, nurse,	1	3	3

NAMES.	Years.	Months.	Days.
Wm. A. Wood, nurse,	1	7	12
Harry A. Tyler, nurse,	—	—	18
Daniel Gilbert, nurse,	—	—	18
Edward Brown, nurse,	—	—	18
Walter Smith, nurse,	—	—	8
E. A. Hall, nurse,	—	2	26
Caroline Arthur, nurse,	1	—	17
Clara Barclay, nurse,	—	5	22
Mildred Beckwith, nurse,	—	1	12
Goldie Bickford, nurse,	4	2	—
Gladys M. Brass, nurse,	—	7	22
Lulu C. Brass, nurse,	—	4	13
Annie E. Brewer, nurse,	—	1	22
Isabelle Byrnes, nurse,	—	4	28
Janet Campbell, nurse,	1	2	5
Emily E. Capen, nurse,	—	11	5
Mary A. Casaw, nurse,	—	1	25
Reba Chappell, nurse,	—	3	7
Cecelia Crosby, nurse,	1	9	27
Elizabeth Cyr, nurse,	—	2	20
Julia Dalton, nurse,	—	6	12
Alice Deslauriers, nurse,	—	9	29
Clarabelle Drew, nurse,	—	2	1
Rose Duprey, nurse,	4	7	5
Isabel Ferguson, nurse,	4	3	27
Emerencienne Francoeur, nurse,	—	9	29
Ada F. Gay, nurse,	1	6	30
Gladys Goodell, nurse,	—	6	25
Flora W. Holmes, nurse,	—	1	13
Edith Jago, nurse,	—	3	11
Hanna Kelleher, nurse,	—	1	24
Margaret Kelley, nurse,	4	1	23
Bessie R. Kirwan, nurse,	—	6	27
Nora J. Lee, nurse,	—	3	27
Lillian M. Love, nurse,	7	8	5
Marion Mackay, nurse,	—	4	26
Effie Mahy, nurse,	8	4	24
Myrtis Miller, nurse,	1	—	24
Laura A. Millett, nurse,	—	2	17
Marguerite B. Neve, nurse,	—	2	14
Ruby Pendleton, nurse,	1	2	2
Mary Ethel Plunkett, nurse,	—	2	16
Marguerite Riley, nurse,	—	3	12
Jennie Ryan, nurse,	4	7	5
Louise Schofield, nurse,	—	2	5
Mabel Tacy, nurse,	3	8	16
Elizabeth F. Ward, nurse,	—	2	19
Mabel B. Watson, nurse,	—	7	23
Kate Weisenbach, nurse,	—	11	—
Mabel Wood, nurse,	5	1	18
Elizabeth Krammerer, nurse,	—	—	26½

NAMES.	Years.	Months.	Days.
Christine W. Brown, nurse,	—	—	20
Florrie Horton, nurse,	—	—	24
Victoria Krusieurecz, nurse,	—	—	13
Bessie Tyler, nurse,	—	—	10
Thomas P. Clair, plumber,	14	7	—
Albert DeGrandpre, carpenter,	7	10	—
Wm. LaSalle, carpenter,	1	10	2
Arthur W. Lee, painter,	1	6	10
Henry Maynard, carpenter,	4	5	22
Roscoe Tobin, plumber,	10	—	28
W. M. Tower, carpenter,	34	10	—
Benjamin Wood, painter,	—	11	—
Orrin Blodgett, farmer,	6	4	8
H. Bisco, farmer,	—	7	24
James Denny, farmer,	4	1	24
Xavier Dion, farmer,	19	5	16
Henry Drozdial, farmer,	1	8	8
Jake Drozdial, farmer,	1	8	8
Michael Drozdial, farmer,	3	7	10
Thomas Drozdial, farmer,	8	—	—
Charles Dumont, farmer,	—	10	27
Frank Hurd, farmer,	3	5	10
Fred Kempker, farmer,	1	7	—
Nicholas Kraznyak, gardener,	4	2	3
John Koskey, farmer,	1	6	5
Frank Lesko, farmer,	1	7	11
Carl McKinney, farmer,	—	11	19
David Mercier, coachman,	35	9	13
Charles Nutting, farmer,	2	2	19
Frank Sanborn, farmer,	5	6	22
Fred Smith, farmer,	1	8	10
Mike Smith, farmer,	—	4	27
Steve Stepno, farmer,	2	6	7
Walter Streeter, herdsman,	9	3	1
Edgar O. Stiles, farmer,	—	2	27

FARM PRODUCTS.

Apples, 246 barrels,	\$615 00
Asparagus, 113½ boxes,	456 00
Beans, shell, 16 bushels,	22 40
Beans, string, 170 bushels,	153 00
Beans, lima, improved, 103½ bushels,	181 13
Beef, cow, 8,541 pounds,	683 28
Beef, steer, 35,758 pounds,	3,933 38
Beets, 302 bushels,	241 60
Beet greens, 198 bushels,	79 20
Broilers, 765½ pounds,	191 43
Broom brush, and seed, 5,200 pounds,	416 00
Brussel sprouts, 544 quarts,	59 84
Cabbage, 39 tons,	975 00
Carrots, 339 bushels,	254 24
Cauliflower, 48 boxes,	60 00
Celery, 500 boxes,	450 00
Chard, 44 bushels,	17 20
Cherries, 361 quarts,	43 32
Chickens, 920 pounds,	211 60
Cider, 419 gallons,	50 28
Citron, 2,100 pounds,	21 00
Cord wood, 40 cords,	200 00
Corn, green, 936 bushels,	702 00
Corn, pop, 105 bushels,	147 00
Cucumbers, 312 boxes,	234 00
Cucumbers, greenhouse, 23 dozen,	13 80
Cucumber pickles, 108 pecks,	32 40
Currants, 200 quarts,	20 00
Eggs, 1,716 dozen,	549 12
Fodder, ensilage, 500 tons,	2,000 00
<hr/>	
<i>Amount carried forward,</i>	<i>\$13,013 22</i>

<i>Amount brought forward,</i>	\$13,013 22
Fodder, alfalfa, 20 tons,	100 00
Fodder, corn, green, 109 tons,	436 00
Fodder, corn, dry, 5 tons,	40 00
Fowl, 909 pounds,	154 53
Gooseberries, 165 quarts,	16 50
Grapes, 900 pounds,	36 00
Hay, 458 tons,	9,586 00
Ice, 880 tons,	2,640 00
Lettuce, 470 boxes,	211 50
Lumber, 1,900 feet,	41 80
Mangel-wurzel, 689 bushels,	103 35
Milk, 270,072 quarts,	21,605 76
Muskmelons, 425 crates,	637 50
Mint, 10 bushels,	10 00
Onions, 510 bushels,	204 00
Parsley, 10 bushels,	4 00
Parsnips, 194 bushels,	145 50
Peas, green, 89 bushels,	53 40
Peppers, 10 bushels,	6 00
Pigs, roast, 1,	2 00
Plums, 208 baskets,	51 40
Potatoes, 1,885 bushels,	1,319 50
Pork, 35,764 pounds,	4,291 68
Pumpkins, 3,250 pounds,	65 00
Radishes, 571 dozen bunches,	171 50
Raspberries, 65 quarts,	9 75
Rhubarb, 9,788 pounds,	195 76
Squash, winter, 53 tons,	1,325 00
Squash, summer, 25 barrels,	21 25
Scallions, 8 bushels,	3 20
Spinach, 181 bushels,	63 35
Strawberries, 995 quarts,	99 50
Tomatoes, ripe, 649 bushels,	649 00
Tomatoes, green, 30 bushels,	22 50
Tomatoes, greenhouse, 41 dozen,	16 40
<i>Amount carried forward,</i>	\$57,351 85

Amount brought forward,	.	.	.	\$57,351 85
Turnips, 313 barrels,	.	.	.	313 00
Veal, 527 pounds,	.	.	.	63 24
Watermelons, 15,795 pounds,	.	.	.	70 00
Total,	.	.	.	<u>\$57,798 09</u>

Sales : —

Cows and calves,	\$178 50	
Hides,	449 30	
Pigs,	5 00	
Sundries,	130 91	
Total,	<u>763 71</u>	
		<hr/>
Total farm product,	\$58,561 80	

Live stock belonging to the hospital:—

[illegible]

VALUATION.

REAL ESTATE.

Grounds and building sites, 23 acres,	\$4,861 20	
Woodland, 93 acres,	19,655 55	
Mowing, 110 acres,	23,248 50	
Pasturage, 185 acres,	39,099 75	
Tillage, 100 acres,	21,135 00	
Hospital building,	616,619 00	
Farmhouse,	1,500 00	
Brick house,	1,700 00	
Three dwellings,	5,500 00	
Cold storage,	30,000 00	
Two barns,	5,500 00	
Cow stable,	13,000 00	
Horse stable,	6,000 00	
Lumber shed,	850 00	
Piggery,	3,000 00	
Cart shed,	400 00	
Pump house,	400 00	
Paint house,	2,039 00	
Laundry (new),	29,076 00	
Cook house and barn,	2,500 00	
Bradley house,	800 00	
Burnett house,	1,200 00	
Total real estate,		\$828,084 00

PERSONAL ESTATE.

Food,	\$8,124 45
Clothing and clothing material,	2,467 32
Furnishings,	40,455 20
Heat, light and power,	85,265 00
Repairs and improvements,	4,469 72
Farm, stable and grounds,	43,558 92
Miscellaneous,	2,562 39
Unexpended balance of maintenance appropriation,	14,556 68

<i>Amounts carried forward,</i>	\$201,459 68	\$828,084 00
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Amounts brought forward, . . . \$201,459 68 \$28,084 00

Unexpended balance of special appropriation,

12,086 26

Accounts receivable,

11,971 18

Cash on hand:—

Office,

992 48

Bank,

883 86

Patients' money,

1,920 09

Endowments, etc.,

729 84

Total personal estate,

230,043 39

\$1,058,127 39

ACCOUNTS PAYABLE.

Maintenance,

\$13,695 80

Trust funds:—

Patients' money,

\$1,920 09

Endowments,

729 84

2,649 93

Excess of resources over liabilities,

1,041,781 66

\$1,058,127 39

STATEMENT OF FUNDS.

Patients' Funds.

On hand, Nov. 30, 1911,

\$1,781 98

Receipts,

1,883 12

\$3,665 10

Refunded,

1,745 01

Balance on hand Nov. 30, 1912,

\$1,920 09

Fred B. Kelly Fund.

Balance, Nov. 30, 1911,

\$703 24

Income,

26 60

Balance on hand Nov. 30, 1912,

\$729 84

TREASURER'S REPORT.

To the Trustees of the Northampton State Hospital.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1912: —

CASH ACCOUNT.		
Balance Dec. 1, 1911,		\$1,721 32
<i>Receipts.</i>		
<i>Institution Receipts.</i>		
Board of inmates: —		
Private,	\$35,787 98	
Reimbursements, insane,	14,688 82	
	<hr/>	\$50,476 80
Sales: —		
Food,	\$111 91	
Clothing and materials,	254 54	
Miscellaneous,	187 09	
Farm, stable and grounds: —		
Cows and calves,	178 50	
Pigs and hogs,	5 00	
Hides,	449 30	
Sundries,	130 91	
	<hr/>	1,317 25
Miscellaneous receipts: —		
Interest on bank balances,	\$126 57	
Sundries,	32 57	
	<hr/>	159 14
	<hr/>	51,953 19
<i>Receipts from Treasury of Commonwealth.</i>		
Maintenance appropriations: —		
Balance of 1911,	\$9,618 24	
Advance money (amount on hand November 30),	5,000 00	
Approved schedules of 1912,	\$168,968 32	
Less returned,	25 00	
	<hr/>	168,943 32
	<hr/>	183,561 56
Industries fund, approved schedules,		29,122 81
Total,		<hr/>
		\$266,358 88

Payments.

To treasury of Commonwealth, institution receipts,		\$51,953 19
Maintenance appropriations: —		
Balance November schedule, 1911,	\$11,339 56	
Eleven months schedules, 1912,	168,943 32	
November advances,	2,505 66	
	<hr/>	182,788 54
Special appropriations: —		
Less advances, last year's report,	\$29,122 81	
November advances,	618 00	
	<hr/>	29,740 81
Balance, Nov. 30, 1912: —		
In bank,	\$883 86	
In office,	992 48	
	<hr/>	1,876 34
Total,		<hr/> \$266,358 88

MAINTENANCE.

Appropriation,	\$183,500 00
Expenses (as analyzed below),	182,639 12
	<hr/>
Balance reverting to treasury of Commonwealth,	\$860 88

Analysis of Expenses.

Salaries, wages and labor: —	
General administration,	\$18,326 48
Medical service,	7,690 28
Ward service (male),	13,081 39
Ward service (female),	14,502 01
Repairs and improvements,	5,998 95
Farm, stable and grounds,	9,431 75
	<hr/>
	\$69,030 86
Food: —	
Butter,	\$11,450 45
Butterine,	192 54
Beans,	409 64
Bread and crackers,	1,028 88
Cereals, rice, meal, etc.,	1,352 93
Cheese,	351 07
Eggs,	7,559 41
Flour,	5,150 99
Fish,	2,522 15
Fruit (dried and fresh),	2,902 15
Meats,	9,986 66
Molasses and syrup,	589 21
Sugar,	4,287 31
Tea, coffee, broma and cocoa,	2,134 65
Vegetables,	2,320 81
Sundries,	2,956 09
	<hr/>
	55,194 94
Amount carried forward,	<hr/> \$124,225 80

Amount brought forward, \$124,225 80

Clothing and materials: —

Boots, shoes and rubbers,	\$825 95	
Clothing,	1,297 45	
Dry goods for clothing and small wares,	1,283 31	
Furnishing goods,	351 09	
Hats and caps,	58 25	
Leather and shoe findings,	98 30	
Sundries,	35 83	
	<hr/>	3,950 18

Furnishings: —

Beds, bedding, table linen, etc.,	\$2,291 27	
Brushes, brooms,	111 36	
Carpets, rugs, etc.,	799 65	
Crockery, glassware, cutlery, etc.,	539 86	
Furniture and upholstery,	468 80	
Kitchen furnishings,	159 14	
Sundries,	205 01	
	<hr/>	4,575 09

Heat, light and power: —

Coal,	\$7,498 11	
Freight on coal,	2,669 94	
Wood,	72 56	
Electricity,	51 60	
Gas,	73 04	
Oil,	132 96	
Sundries,	183 10	
	<hr/>	10,681 31

Repairs and improvements: —

Cement, lime and plaster,	\$46 80	
Doors, sashes, etc.,	44 10	
Electrical work and supplies,	956 43	
Hardware,	1,170 50	
Lumber,	2,127 24	
Machinery, etc.,	753 94	
Paints, oil, glass, etc.,	2,426 65	
Plumbing, steam fitting and supplies,	1,198 69	
Roofing and materials,	300 86	
Sundries,	1,270 51	
	<hr/>	10,295 72

Farm, stable and grounds: —

Blacksmith and supplies,	\$426 35	
Carriages, wagons, etc., and repairs,	259 38	
Fertilizers, vines, seeds, etc.,	2,159 32	
Hay, grain, etc.,	10,600 59	
Harnesses and repairs,	165 38	
Horses,	950 00	
Cows,	200 00	
Other live stock,	1,729 00	
Rent,	170 00	
Tools, farm machines, etc.,	546 32	
Sundries,	497 02	
	<hr/>	17,703 36

Amount carried forward, \$171,431 46

Amount brought forward, \$171,431 46

Miscellaneous:—

Books, periodicals, etc.,	\$292 63
Entertainments,	563 50
Freight, expressage and transportation,	119 93
Funeral expenses,	41 10
Religious services,	260 00
Medicines and hospital supplies,	667 70
Medical attendance, nurses, etc. (extra),	1,515 90
Postage,	322 58
Printing and printing supplies,	181 18
Printing annual report,	172 86
Return of runaways,	50 36
Soap and laundry supplies,	1,354 88
Stationery and office supplies,	290 45
Travel and expenses (officials),	729 96
Telephone and telegraph,	158 03
Tobacco,	44 05
Water,	3,804 40
Sundries,	638 15
	<hr/>
	11,207 66

Total expenses for maintenance, \$182,639 12

SPECIAL APPROPRIATIONS.

Balance Dec. 1, 1911,	\$41,209 07
Expended during the year (see statement annexed),	29,122 81
	<hr/>
Balance Nov. 30, 1912,	\$12,086 26

RESOURCES AND LIABILITIES.

Resources.

Cash on hand,	\$1,876 34
November cash vouchers (paid from advance money),	3,123 66
Due from treasury of Commonwealth account	
November, 1912, schedule,	8,695 80
	<hr/>
	\$13,695 80

Liabilities.

Schedule of November bills,	\$13,695 80
---------------------------------------	-------------

PER CAPITA.

During the year the average number of inmates has been 892.07.

Total cost for maintenance, \$182,639.12.

Equal to a weekly per capita cost of \$3.91.

Receipts from sales, \$1,317.25.

Equal to a weekly per capita of \$0.028.

All other institution receipts, \$50,635.94.

Equal to a weekly per capita of \$1.08.

INDUSTRIES FUND.

Appropriation,	\$300
Receipts, credited,	<u>-</u>
	\$300
Expenditures,	<u>-</u>
Balance, Nov. 30, 1912,	\$300

Special Appropriations.

OBJECT.	Act or Resolve.	Whole Amount.	Expended during Fiscal Year.	Expended to Date.	Balance at End of Year.
Addition to and improvements in bakery, . .	Acts 1911, chap. 156,	\$6,500 00	\$5,687 44	\$5,762 44	\$737 56
New laundry building and equipment of same, .	Acts 1911, chap. 156,	40,425 00	23,435 37	29,076 30	11,348 70
		\$46,925 00	\$29,122 81	\$34,838 74	\$12,086 26

Respectfully submitted,

LEWIS F. BABBITT,

Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

WARREN A. MERRILL,

Assistant Supervisor of Accounts.

STATISTICAL TABLES.

[FORM PRESCRIBED BY STATE BOARD OF INSANITY.]

1. — General Statistics for the Year.

	INSANE.			NOT INSANE, VOLUNTARY.			TEMPORARY CARE.			INEBRIATES.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in the hospital Oct. 1, 1911.															
Viz.: regularly committed,	449	444	893	—	3	3	—	—	—	—	—	2	449	449	898
emergency,	447	441	888	—	—	—	—	—	—	—	—	2	447	443	890
voluntary,	2	3	5	—	3	3	—	—	—	—	—	—	2	6	8
temporary care,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Admitted within the year.	242	168	410	5	2	7	3	3	3	5	5	5	250	175	425
Viz.: by regular commitment,	192	131	323	5	—	—	—	—	—	—	—	3	192	134	326
emergency,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
voluntary,	7	4	11	5	2	7	—	—	—	—	—	—	12	6	18
temporary care,	—	—	—	—	—	—	—	—	—	—	—	—	3	—	3
viz.: observation,	—	—	—	—	—	—	3	—	3	—	—	—	—	—	—
others,	—	—	—	—	—	—	—	—	—	—	—	—	3	—	3
by transfer,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
from visit,	3	4	7	—	—	—	—	—	—	—	—	—	3	4	7
from escape,	1	7	10	—	—	—	—	—	—	—	—	—	3	7	10
Nominal admissions for discharge,	39	22	61	—	—	—	—	—	—	—	—	2	39	24	63
viz.: from visit,	39	22	61	—	—	—	—	—	—	—	—	2	39	24	63
from escape,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Whole number of cases within the year,	691	612	1,303	5	5	10	3	3	3	7	7	7	699	624	1,323
Dismissed within the year,	237	196	433	5	4	9	3	3	3	6	6	6	245	206	451
Viz.: discharged,	103	87	190	4	3	7	3	3	3	3	3	3	110	93	203
as recovered,	34	17	51	—	—	—	1	1	1	—	—	—	35	20	55
as capable of self-support,	32	26	58	—	—	—	—	—	—	—	—	—	32	26	58
as improved,	19	31	50	—	—	—	1	1	1	—	—	—	31	51	82
as not improved,	16	12	28	—	—	—	—	—	—	—	—	—	16	12	28
as not insane,	2	3	5	—	—	—	1	1	1	—	—	—	7	4	11
died,	1	3	4	4	3	7	1	—	1	—	—	—	62	32	94
transferred,	61	32	93	1	—	1	—	—	—	—	—	—	33	45	78
escaped,	33	44	77	—	—	—	—	—	—	1	1	1	6	36	42
on visit October 1,	6	—	6	—	—	—	—	—	—	—	—	—	—	—	—
Nominal dismissals for commitment,	34	33	67	—	1	1	—	—	—	—	—	2	34	36	70

1. — General Statistics for the Year — Concluded.

	INSANE.			NOT INSANE, VOLUNTARY.			TEMPORARY CARE.			INEBRIATES.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients remaining Sept. 30, 1912,	454	416	870	—	—	—	—	—	—	—	—	—	454	418	872
Viz.: regularly committed, emergency,	452	414	866	—	—	—	—	—	—	—	—	—	452	415	867
voluntary,	2	2	4	—	—	—	—	—	—	—	—	—	2	3	5
temporary care,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
supported as State patients,	368	292	660	—	—	—	—	—	—	—	—	—	368	294	662
as reimbursing patients,	43	50	93	—	—	—	—	—	—	—	—	—	43	50	93
as private patients,	43	74	117	—	—	—	—	—	—	—	—	—	43	74	117
Number of different persons within the year,	649	589	1,238	5	5	10	3	3	3	5	5	5	657	599	1,256
Number of different persons admitted,	203	348	551	5	2	7	3	3	3	3	3	3	211	150	361
Number of different persons admitted from community,	199	334	533	5	2	7	3	3	3	3	3	3	207	139	346
Number of different persons dismissed,	196	174	370	5	4	9	3	3	3	4	4	4	204	182	386
Number of different persons recovered,	164	130	294	5	4	9	3	3	3	3	3	3	172	137	309
Number of different persons capable of self-support,	33	17	50	—	—	—	1	1	1	3	3	3	34	20	54
Daily average number of patients,	32	26	58	—	—	—	—	—	—	—	—	—	32	26	58
Viz.: State patients,	404	412	816	.3	1.33	1.34	.004	—	—	1.18	1.18	1.18	464	494	958
reimbursing patients,	384	301	685	.033	1.023	1.356	.004	—	—	1.10	1.10	1.18	384	303	687
private patients,	34.75	50.89	85.64	—	—	—	—	—	—	.08	.08	.08	34.75	50.89	85.64
Whole number of emergency admissions,	44	62	106	—	—	—	—	—	—	—	—	—	44	62	106
Whole number of voluntary admissions,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily average number of voluntary patients,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Whole number of temporary care patients,	—	—	—	—	—	—	—	—	—	—	—	—	13	6	19
Daily average number of temporary care patients,	—	—	—	—	—	—	—	—	—	—	—	—	1.63	4.78	6.3
	—	—	—	—	—	—	—	—	—	—	—	—	19	13	34
	—	—	—	—	—	—	—	—	—	—	—	—	.02	.017	.037

2. — *Insane received on First and Subsequent Commitments.*

NUMBER OF COMMITMENTS.	CASES COMMITTED.		
	Males.	Females.	Totals.
First to this hospital,	173	118	291
Second to this hospital,	17	9	26
Third to this hospital,	4	3	7
Fourth to this hospital,	3	2	5
Fifth to this hospital,	-	2	2
Seventh to this hospital,	-	1	1
Ninth to this hospital,	1	-	1
Tenth to this hospital,	1	-	1
Total cases,	199	135	334
Total persons,	199	134	333
Never before in any hospital for insane,	162	109	271

3. — *Nativity and Parentage of Insane Persons first admitted to Any Hospital.*

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.
Massachusetts,	62	31	30	34	21	16	96	52	46
Other New England States,	16	14	14	15	7	10	31	21	24
Other States,	14	10	10	15	11	13	29	21	23
Total native,	92	55	54	64	39	39	156	94	93
Other countries: —									
Austria,	11	12	12	2	2	2	13	14	14
Canada,	12	21	18	4	9	10	16	30	28
China,	1	1	1	-	-	-	1	1	1
England,	4	6	5	5	6	8	9	12	13
France,	-	-	-	1	1	1	1	1	1
Germany,	6	7	6	4	7	7	10	14	13
Greece,	1	1	1	-	-	-	1	1	1
Hungary,	1	1	1	1	1	1	2	2	2
Ireland,	17	41	43	15	24	21	32	65	64
Italy,	3	3	3	3	3	3	6	6	6
Poland,	1	2	2	2	3	3	3	5	5
Russia,	6	4	4	4	3	3	10	7	7
Scotland,	3	2	5	1	2	2	4	4	7
Sweden,	3	3	4	2	2	2	5	5	6
Switzerland,	1	1	1	-	-	-	1	1	1
Total foreign,	70	105	106	44	63	63	114	168	169
Unknown,	-	2	2	1	7	7	1	9	9
Totals,	162	162	162	109	109	109	271	271	271

4. — *Residence of Insane Persons admitted from the Community.*

	FIRST ADMITTED TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Hampshire County,	26	19	45	6	3	9	32	22	54
Hampden County,	81	49	130	15	14	29	96	63	159
Franklin County,	23	13	36	4	4	8	27	17	44
Berkshire County,	30	27	57	11	4	15	41	31	72
Barnstable County,	1	—	1	—	—	—	1	—	1
Norfolk County,	—	—	—	1	—	1	1	—	1
Worcester County,	1	1	2	—	—	—	1	1	2
Totals,	162	109	271	37	25	62	199	134	333
Unknown,	—	—	—	—	—	—	—	—	—
Totals,	162	109	271	37	25	62	199	134	333
Cities and towns,	127	79	206	30	22	52	157	101	258
Country districts,	35	30	65	7	3	10	42	33	75
Totals,	162	109	271	37	25	62	199	134	333

5. — *Civil Condition of Insane Persons first admitted to Any Hospital.*

	Males.	Females.	Totals.
Unmarried,	69	33	107
Married,	70	49	119
Widowed,	21	20	41
Divorced,	2	2	4
Unknown,	—	—	—
Totals,	162	109	271

6. — Occupation of Insane Persons first admitted to Any Hospital.

MALES.

Armorsers,	2	Machinists,	5
Baker,	1	Manufacturer,	1
Barber,	1	Meat cutter,	1
Bartenders,	2	Mechanics,	2
Blacksmith,	1	Operatives,	32
Bookbinder,	1	Painters,	2
Bookkeepers,	2	Paper hanger,	1
Beer bottlers,	2	Physician,	1
Box maker,	1	Piano maker,	1
Brick mason,	1	Plumber,	1
Broom maker,	1	Postal clerk,	1
Butcher,	1	Priest,	1
Canvasser,	1	Printer,	1
Carpenters,	5	Railroad engineer,	1
Clerks,	2	Real estate dealer,	1
Contractors,	2	Shoe makers,	2
Draughtsman,	1	Stationery engineers,	2
Druggists,	2	Steward,	1
Elevator boy,	1	Stone masons,	4
Farmers,	9	Tailor,	1
Farm laborers,	11	Teamsters,	2
Foundryman,	1	Waiter,	1
Hatter,	1	Watchmen,	2
Ice dealer,	1	Whip maker,	1
Iron molders,	2	Wood chopper,	1
Janitors,	2	Wood turner,	1
Laborers,	23	No occupation,	10
Laundryman,	1		
Liveryman,	1	Total,	162

FEMALES.

Bookkeeper,	1	Stenographer,	1
Clerk,	1	Students,	4
Domestics,	11	Teachers,	2
Housework,	24	Telephone girl,	1
Music teacher,	1	No occupation,	7
Operatives,	13		
Secretary,	1	Total,	67

WIFE OF —

Agent,	1	Operative,	4
Blacksmith,	1	Painter,	1
Carpenter,	3	Physician,	1
Clergyman,	1	Plumber,	1
Farmer,	4	Steamfitter,	1
Farm laborer,	3	Tailor,	1
Laborer,	12	Tinsmith,	1
Leather worker,	1		
Machinist,	1	Total,	42
Merchant,	5		

7. — *Ages of Insane at First Attack, Admission and Death.*

	FIRST ADMITTED TO ANY HOSPITAL.						DIED.					
	AT FIRST ATTACK.			WHEN ADMITTED.			AT FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	18	18	36	-	-	-	6	1	7	-	-	-
15 years and less,	-	1	1	-	1	1	-	1	1	-	-	-
From 15 to 20 years,	10	3	13	6	7	13	1	1	2	-	-	-
20 to 25 years,	8	12	20	12	11	23	1	2	3	-	-	-
25 to 30 years,	12	7	19	14	11	25	2	2	4	2	2	4
30 to 35 years,	16	8	24	21	7	28	2	1	3	1	2	3
35 to 40 years,	20	10	30	23	12	35	3	2	5	3	3	6
40 to 50 years,	23	15	38	30	23	53	8	2	10	8	3	11
50 to 60 years,	20	11	31	22	12	34	10	6	16	10	6	16
60 to 70 years,	18	11	29	16	12	28	8	4	12	8	5	13
70 to 80 years,	9	6	15	9	9	18	13	6	19	16	7	23
Over 80 years,	7	4	11	9	4	13	7	2	9	13	4	17
Total,	161	106	267	162	109	271	61	30	91	61	32	93
Not insane,	1	1	2	-	-	-	-	-	-	-	-	-
Unknown,	-	2	2	-	-	-	-	2	2	-	-	-
Totals,	162	109	271	162	109	271	61	32	93	61	32	93
Mean known ages (in years),	39.6	35.46	37.9	44.2	43	43.7	53.16	50	52.15	64	60.18	62.09

9. — *Probable Duration of Mental Disease before Admission.*

PREVIOUS DURATION.	FIRST ADMITTED TO ANY HOSPITAL.		
	Males.	Females.	Totals.
Congenital,	18	18	36
Under 1 month,	61	19	80
From 1 to 3 months,	22	18	40
3 to 6 months,	19	16	35
6 to 12 months,	15	9	24
1 to 2 years,	15	12	27
2 to 5 years,	4	11	15
5 to 10 years,	5	1	6
10 to 20 years,	2	1	3
Over 20 years,	—	1	1
Total,	161	106	267
Unknown,	—	2	2
Not insane,	1	1	2
Totals,	162	109	271
Average known duration (in years), .	.75	1.15	.95

10. — *Form of Mental Disease in Patients admitted from the Community or discharged, with Condition on Discharge, or died.*

FORM OF DISEASE.	COMMITTED.			DISCHARGED.												DIED.			TOTAL DISCHARGES AND DEATHS.					
	Males.	Females.	Totals.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			Males.	Females.	Totals.			
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.						
A.—First admitted to any hospital:—																								
Acute alcoholic insanity,	31	—	31	20	3	23	—	1	1	2	—	2	—	—	—	—	—	—	—	—	—	22	4	26
Acute delirium,	3	3	6	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	—	—	3	1	4	
Chronic alcoholic insanity,	25	1	26	1	—	1	—	7	4	11	5	2	7	6	1	7	6	2	8	3	13	14	27	
Dementia præcox,	65	21	86	7	—	7	7	4	11	4	2	5	1	2	3	2	5	2	7	5	12	8	20	
Epilepsy,	2	2	4	2	2	4	2	1	3	1	1	3	4	—	—	—	—	—	—	—	2	1	3	
Involution psychosis,	10	5	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	3	6	
Manic-depressive insanity:—																								
Depressed form,	11	14	25	3	3	6	3	3	6	3	3	6	3	2	5	2	7	2	9	3	7	10	17	
Maniacal form,	3	7	10	3	1	4	1	4	5	1	—	—	—	1	1	2	—	—	—	—	5	5	10	
Mixed form,	4	5	9	—	—	—	1	4	5	—	—	—	—	—	—	—	—	—	—	—	1	1	2	
Mental deficiency,	17	16	33	—	—	—	7	2	9	1	2	3	3	3	—	—	—	—	—	—	4	1	5	
Organic brain disease,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Organic dementia,	13	5	18	—	—	—	1	1	2	1	3	4	3	1	1	2	1	1	2	5	10	5	15	
Paranoia,	3	6	9	—	—	—	1	1	2	—	—	—	—	1	1	2	2	2	4	3	3	6	9	
Paresis,	6	6	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	3	7	
Pellagra,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	2	
Senile dementia,	26	2	28	1	—	1	1	1	3	3	3	6	6	1	1	2	—	—	—	—	32	15	47	
Morphine habit, chronic,	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Not insane,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28	11	39	
Total A,	162	109	271	30	9	39	24	19	43	14	18	32	15	6	21	1	1	2	52	29	81	136	82	218

10. — *Form of Mental Disease in Patients admitted from the Community or discharged, with Condition on Discharge, or died —*
Concluded.

FORM OF DISEASE.	COMMITTED.			DISCHARGED.										DIED.			TOTAL DISCHARGES AND DEATHS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Males.	Females.	Totals.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			Totals.	Males.	Females.	Totals.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
B. — Other admissions: —																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

11. — Discharges of the Insane, classified by Admission and Results, and Deaths.

NUMBER OF THE ADMISSION.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			TOTAL DISCHARGES AND DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital, . . .	31	12	43	29	21	50	16	20	36	16	8	24	1	1	2	54	31	85	147	93	240
Second to this hospital, . . .	3	3	6	2	5	7	3	4	7	-	2	2	1	-	1	3	1	4	12	15	27
Third to this hospital, . . .	-	1	1	1	-	1	-	4	4	-	2	2	-	-	-	1	-	1	2	7	9
Fourth to this hospital, . . .	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	3	-	3	3	2	5
Sixth to this hospital, . . .	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	2	2
Total cases, . . .	34	17	51	32	26	58	19	31	50	16	12	28	2	1	3	61	32	93	164	119	283
Total persons, ¹ . . .	34	17	51	32	26	58	19	31	50	16	12	28	2	1	3	61	32	93	164	119	283
First admitted to any hospital, . . .	30	9	39	24	19	43	14	18	32	15	6	21	1	1	2	52	29	81	136	82	218

¹ One man was discharged once as recovered and once as not insane, making total persons 282.

12. — Causes of Death and Form of Mental Disease in Persons who died.

	ACUTE ALCOHOLIC.			ACUTE DELIRIUM.			CHRONIC ALCOHOLIC.			DEMENTIA PRÆCOX.			EPILEPSY.			INVOLUTION PSYCHOSIS.			MANIC DEPRESSIVE.			MENTAL DEFICIENCY.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General diseases: —																								
Carcinoma of face,										1		1												
Carcinoma of liver,																								
Carcinoma of stomach,																								
Cervical tubercular adenitis,																								
Exhaustion from brain disease,																								
General tuberculosis,																								
Heat exhaustion,																								
Involution psychosis,																								
Pellagra,																								
Sonility,																								
Diseases of the nervous system: —																								
Epilepsy,													1		1									
General paralysis of the insane,																								
Septic meningitis,																								
Status epilepticus,													1		1									
Tubercular meningitis,																								
Diseases of the circulatory system: —																								
Cerebral hemorrhage,							1		1															
Endocarditis,				1		1																		
Myocarditis,																								
Diseases of the genito-urinary system: —																								
Nephritis,																								
Ovarian cyst,																								
Diseases of the respiratory system: —																								
Hypostatic pneumonia,																								
Pulmonary tuberculosis,				2	1	3				1	1	2								1	1	1	1	2
Diseases of the digestive system: —																								
Tubercular enteritis,										1		1												
Totals,	—	—	—	3	1	4	1	—	1	3	4	7	2	1	3	3	4	7	3	4	7	4	1	5

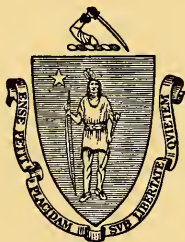
12. — Causes of Death and Form of Mental Disease in Persons who died — Concluded.

	ORGANIC BRAIN DISEASE.			ORGANIC DEMENTIA.			PARANOLA.			PARESIS.			PELLAGRA.			SENILE DEMENTIA.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General diseases: —																					
Carcinoma of liver,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Carcinoma of face,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Carcinoma of stomach,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Cervical tubercular adenitis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Exhaustion from brain disease,	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
General tuberculosiis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Heat exhaustion,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Involution psychosis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pellagra,	—	—	—	2	2	4	—	—	—	—	—	—	1	—	1	28	8	36	31	10	41
Senility,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the nervous system: —																					
Epilepsy,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
General paralysis of the insane,	—	—	—	—	—	—	—	—	—	5	3	8	—	—	—	—	—	—	5	3	8
Septic meningitis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Status epilepticus,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	2
Tubercular meningitis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Diseases of the circulatory system: —																					
Cerebral hemorrhage,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	3	6
Endocarditis,	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	2	2	4
Myocarditis,	—	—	—	2	—	2	—	—	—	—	—	—	—	—	—	1	—	1	3	—	3
Diseases of the genito-urinary system: —																					
Nephritis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Ovarian cyst,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Diseases of the respiratory system: —																					
Hypostatic pneumonia,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pulmonary tuberculosis,	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	5	9
Diseases of the digestive system: —																					
Tubercular enteritis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	—	1	1	5	4	9	1	—	1	5	3	8	1	—	1	31	12	43	61	32	93

13. — *Duration of Mental Disease and its Treatment in Patients recovered or died.*

	FIRST ADMITTED TO ANY HOSPITAL.						ALL OTHER ADMISSIONS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Recoveries: —												
Under 1 month,	24	4	28	3	—	3	1	—	1	—	—	—
From 1 to 3 months,	2	2	4	16	3	19	16	2	18	—	—	—
3 to 6 months,	3	1	4	6	4	10	7	4	11	—	—	—
6 to 12 months,	1	1	2	4	1	5	5	2	7	1	3	4
1 to 2 years,	—	1	1	1	1	2	1	—	1	2	2	3
2 to 5 years,	—	—	—	—	—	—	—	1	1	1	—	2
5 to 10 years,	—	—	—	—	—	—	—	—	—	—	—	—
10 to 20 years,	—	—	—	—	—	—	—	—	—	—	—	—
Over 20 years,	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	30	9	39	30	9	39	30	9	39	4	8	12
Unknown,	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	30	9	39	30	9	39	30	9	39	4	8	12
Average of known cases (in months),	.64	3.0	1.1	3.6	4.6	3.9	4.3	7.8	5.1	21.2	23.6	22.8
										7.2	16.5	13.4

FIFTY-EIGHTH ANNUAL REPORT
OF
THE TRUSTEES
OF THE
NORTHAMPTON STATE HOSPITAL,
FOR THE
YEAR ENDING NOVEMBER 30, 1913.



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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

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HENRY L. WILLIAMS, <i>Chairman</i> ,	<i>Northampton.</i>
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CHARLES E. PERRY, M.D.,	<i>Assistant Physician.</i>
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GERALDINE OAKLEY, M.D.,	<i>Assistant Physician.</i>
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LEWIS F. BABBITT,	<i>Treasurer (office at the hospital).</i>
THOMAS H. BUTTERWORTH,	<i>Engineer.</i>
CARL W. HAMMOND,	<i>Farmer.</i>
SUSAN E. WARREN,	<i>Matron.</i>

The Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital respectfully present the fifty-eighth annual report covering the statistical year Oct. 1, 1912, to Sept. 30, 1913, and the fiscal year Dec. 1, 1912, to Nov. 30, 1913.

The reports of the superintendent and treasurer accompany our report as a part of it.

The treasurer's report shows an economical administration for the year. A daily average of 894 patients were supported at a weekly per capita cost of \$3.99. If from the maintenance expenditure be deducted the amount received from sales and board of patients, the weekly per capita cost to the State is shown to be \$2.88.

It is doubtful if this low rate can be maintained much longer, in view of the present cost of supplies, together with the demands of labor for shorter hours and higher wages.

Labor conditions in institutions must compete with similar conditions in their immediate neighborhood.

In some instances even higher wages must be paid than for similar services outside the institution, in order to retain the employee because of the undesirable nature of the service. It has been found increasingly difficult to engage and keep in service a sufficient number of competent nurses. While this has been due in a measure to the ease with which work can be obtained elsewhere, it is undoubtedly due more largely to

the nature of the work. This work is very unattractive, and few persons of the kind we should like to employ will be attracted by any rate of wages likely to be offered.

A nurse's duties are arduous and exacting. Association day after day with patients who are demented, and with those who are so absorbed in their delusions that they are indifferent to any friendly advances, is depressing to a sane mind. Comparatively few of the patients are companionable in any sense of the word, except those who are convalescing, and these soon leave the hospital. Many of the patients are quarrelsome, querulous, not easily manageable, having been sent here because their relatives could not or would not get along with them at home. There is always the possibility of injury by one of the turbulent class, and of undeserved complaint or criticism by some suspicious and unreasonable relative.

In order to secure an efficient corps of nurses as high a rate of wages should be paid as is consistent with a proper regard for economy, and the hours of duty should be lessened. While these measures may not attract a much larger number of applicants, they may enable us to keep in the service more of those who on trial seem fitted for the work.

The Legislature of 1913 made a special appropriation of \$10,000 for the purchase and installation of new boilers. After a full study of conditions here by three different engineers, the Heine Boiler Company's type of water tube boiler was selected. Three of these, of 255 horse power each, were purchased. Two of them have been installed and put in service and the other one will be ready for service in a few weeks. The Cunningham boiler, which was installed in 1903, is still serviceable.

The laundry, which was under process of construction at the time of our last report, has been completed and equipped with machinery. It has been in use since early summer.

We shall ask the coming Legislature for a special appropriation for the purchase and installation of fire pumps.

Our present water system has pipes of ample size, and the water supply is adequate in volume but not in pressure to afford efficient fire protection. The State Board of Insanity sent an engineer, Mr. F. W. Dean, to make an examination of present conditions. He found the water pressure insufficient

to fight a fire successfully, and recommended the installation of pumps to increase the pressure, and that they be placed in a brick, fireproof room, away from the boiler room. To purchase these pumps, to build a one-story brick house in which to place them, and to connect them to our present steam and water systems will require an appropriation of \$4,000.

We renew our request of last year for an appropriation to make certain changes and additions to the south wing. The corridor connecting the infirmary for women to the main building is at present one story high. By carrying this up to the full height of the other building much passing down stairs and up again will be obviated in getting from the upper floors of one building to the corresponding floors of the other. At small expense, out-of-door piazzas can be added to this corridor which will afford opportunity for the aged and infirm women patients to get out of doors without passing over the stairways.

The bay at the end of the first halls, as proposed, will let more light into halls now darkened after midday by the second halls. It will enlarge the day space of those halls now crowded, and in suitable weather can be made an open-air sitting room.

These changes will add materially to the comfort and welfare of the patients, will lessen the inconvenience of getting to and from the nurses' home, which is at present on the upper floor of the infirmary building, and will provide space for 18 additional beds. The estimated cost last year of these changes was \$7,000, based on bids submitted by two contractors. Estimates this year by the same contractors are somewhat higher, but it is hoped that we can make the changes for the amount mentioned by using our own labor and resources.

Our annual reports for years have recorded a steady increase in the number of patients admitted and in the number maintained. Part of this increase is due to the growth in population of the district served by the hospital and part to the policy of the State, in force since 1904, of caring for all the mentally afflicted at the expense of the State in State institutions, instead of allowing many of the mildly demented, senile cases and the feeble-minded youths to be cared for in the almshouses as they were prior to 1904. The last building erected by us to increase our accommodations was completed and occupied in

1905. Since then our overcrowded condition has been relieved by frequent transfers of patients to institutions in the eastern part of the State, the Worcester Asylum, the Medfield Asylum and the Gardner Colony. The number transferred since 1906 has been 460.

For several years we have been studying how best to care for the patients of our district, which comprises the four western counties, without their being removed from the district.

In our reports for 1911 and 1912 the advisability of establishing a colony was mentioned, but we had no definite plan to recommend till we should have studied the matter further. This spring, with the approval of the State Board of Insanity, we suggested a plan to the Legislature and asked for an appropriation to purchase land somewhere in Berkshire County, where a colony might be established under our management to care for the mild cases that would otherwise be transferred to the asylums in the eastern part of the State, with the expectation that in time it would become an independent institution to care for all of the patients of that county.

There are excellent reasons for selecting that county as the location for the proposed colony. The hospital at Northampton, to which the patients from Berkshire are now committed, is too far away, — three hours' ride by train from the nearest court house, and five hours, and even more, from the homes of many of the patients. Consequently, commitments are often delayed beyond the time when it would be most advantageous to the patient to be placed under treatment.

Of the 460 patients transferred to the asylums mentioned, 129 were from Berkshire County. Already far from home in Northampton, they were removed still farther away. Many complaints have been made in times past by relatives of these patients, at what seemed to them an injustice.

We again present this matter for consideration and recommend that a special appropriation be made to begin such an undertaking.

The following changes have taken place in our medical staff since our last report: Dr. Couch left the service on June 14, 1913, and Dr. Humphreys on July 8, 1913; Dr. Geraldine Oakley was appointed to the position of assistant physician

and entered the service on Sept. 16, 1913. Dr. Oakley was graduated from the University of Toronto in arts and later in medicine. She then served a year in the New York Infirmary for Women and Children.

JOHN McQUAID.

HENRY L. WILLIAMS.

CHARLES S. SHATTUCK.

JOSEPH W. STEVENS.

EMILY N. NEWTON.

CAROLINE A. YALE.

LUKE CORCORAN, M.D.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

I hereby submit my report of the operations of the hospital for the year ending Nov. 30, 1913.

There were 872 patients in our care on Oct. 1, 1912. During the following year 411 were admitted and 374 were dismissed, leaving 909 on Sept. 30, 1913. Besides these, 56, who were away from the hospital on trial visit at the beginning of the year, were nominally admitted for the purpose of discharging them from our records.

The whole number of patients under our care within the year was 1,283, a larger number than in any previous year; the daily average number was 883. The daily average number supported during the fiscal year Dec. 1, 1912, to Nov. 30, 1913, was 894.

The admissions included 359 who were committed by the courts; 17 admitted on voluntary applications; 15 temporary care cases; 5 cases transferred by the State Board of Insanity from other institutions or from family care; 14 who were returned from visits on trial at home and 1 from escape.

A large proportion, 44 per cent. of the patients admitted, were of foreign birth; 65 per cent. were of foreign parentage. Twenty-eight of the patients admitted could speak no English, or so little that they could not make themselves understood. Of these, 14 were Polish; 8, French Canadian; 2, Italian; 2, Swedish; 1, German; 1, Bohemian.

Twenty-two patients in all were admitted on voluntary application. Three of these were later committed as insane. Six of them had been patients here before and had appreciated the benefits they had derived from previous care and treatment. At the end of the year there were 5 voluntary cases in the hospital.

Fifty cases were admitted under the temporary care act, of which number 35 were later committed as insane within the seven days allowed for observation.

Analysis of our records for the last six years shows that 18 per cent. of our admissions come from Hampshire County, 48 per cent. from Hampden County, 10 per cent. from Franklin County and 24 per cent. from Berkshire County.

The admissions the present year bear the following relations to the total population of the county from which they come, the computations being based on the census of 1910: from Hampshire County, 1 in every 1,092; from Hampden County, 1 in every 1,218; from Franklin County, 1 in every 1,245; from Berkshire County, 1 in every 1,525.

The districts nearest the hospital send the largest relative number of patients. This may be partly because acquaintance with the hospital has in a measure disarmed apprehension of it, but probably is largely because it is easier and less expensive to get patients from the near-by districts and to visit them after they are committed.

One patient in every 5 admitted during the year was sixty years of age or older. It is noticeable that the relative proportion of old persons, of the age of seventy and over, is very large. This proportion has steadily increased since the opening of the hospital in 1858. During the first five years only 1 in 80 of the patients admitted was of the age of seventy. During the next ten years the proportion had increased to 1 in every 24, and during the following period of fifteen years, to 1 in every 13. Since then it has continued to grow larger till it is now — and for the past few years — 1 in every 8.

At present there are in the hospital 220 patients of the age of sixty or older, 97 of these being over seventy, 21 being over 80 and 4 being over ninety years old. These patients have varying degrees of mental defect or incapacity making their commitment legal. Many of them are dotards who could be easily cared for at home if their relatives were willing to keep them. Some of them have no homes to go to, and these we try to place in family care, but not many families are willing to take them. Some provision is needed for their care, but they would be more comfortable where not surrounded by the

insane, and the energy and expense in caring for them at the hospital could be better applied to the care of the insane.

Of the patients dismissed, 56 were discharged as recovered; 66 as so nearly recovered as to be practically capable of caring for themselves and, in some cases, of earning their own living; 40 were discharged as improved; 39 as not improved; 20 as not insane, these being voluntary and temporary care cases who were addicted to the drug habit or to the use of alcoholic beverages; 30 were transferred by the State Board of Insanity to the Worcester Asylum; 7 escaped; and 55 were at home on trial visit. One hundred and seventeen died.

The majority of patients who are dismissed are now allowed to go on trial visit. The hospital tries to keep them under observation through correspondence and visits. In some cases where it is doubtful whether the patient can get along well in the community he is asked to report in person to the hospital. We find that they make no objections to this, but come willingly and seem to appreciate that this requirement is for their interest.

Fifteen patients who had no claim upon this Commonwealth were deported by the State Board of Insanity and by the United States Immigration Department.

Our out-patient service has been continued as outlined in the reports of 1910, 1911 and 1912. Dr. Whitney reports concerning the patients who were placed in family care as follows: 24 women and 2 men were in family care at the beginning of the year. During the year 13 women and 1 man were placed in homes, making the full number so cared for, 37 women and 3 men. Of this number 4 women were discharged from our care, 2 died, 1 went to the care of her brother in another State and 1 eloped, going out of the State to New York City. Seven women and 1 man were returned to the hospital for various reasons; 3 temporarily to relieve the boarding mistress, one of them later returning to the same home; 2 because of incompatibility with the caretaker, later being placed in another family where they have done well; 1 man following an operation for appendicitis who later went back to the same family; and 2 women who were found to be physically and mentally unsuitable for family care.

Of those who remain in family care at the end of the year, 2 men are each earning \$15 a month and board, 1 woman is earning \$4 a month and board and 3 women are earning their board.

These patients have been visited frequently at unexpected times so that their actual conditions and surroundings might be noted. The care of them has been uniformly good and the patients seem to appreciate what is done for them.

During the year various towns in our district were visited 161 times, and often several families were visited in the same town. Efforts to find suitable homes and care takers have been continued. Besides the personal visits of Dr. Whitney many letters have been sent to the overseers of the poor and to physicians in various towns. Our assistant has noticed at times an opposition by the citizens of some of the smaller towns to the placing out of State dependents.

It has not been easy to find a large number of boarding places, or, on the other hand, to find patients suitable for family care. We have usually been able to send to their own homes such cases as would otherwise be suitable for boarding out. We have been surprised at the reluctance of patients to leave the hospital, though usually it has been found that those whom we have persuaded to go have become quite contented in their new home.

Our assistant has visited patients who were out on trial, to give advice and also to observe whether further trial was necessary. The homes of patients in the hospital who were not well, but whose discharge was requested, have been visited to learn whether it would be well to allow them to go on trial.

Homes of recently committed patients have been visited to learn what the home surroundings were, and members of the patient's family and the family physician have been questioned to learn any facts that might have a relation to the patient's mental condition, such as his habits, previous illnesses, inherited tendencies and the like.

Former patients have occasionally come to her for advice and treatment, and several persons who have never been patients here have consulted her at the request of the physician

or of the family. In several cases commitment was advised, in others, a course of home treatment was recommended.

We have for many years advised in consultation, without charge, any one who would personally come to the hospital, — or his friend or physician, — and have gone or have sent out assistants in some cases to the homes of persons who needed advice, at no expense to them. To extend our sphere of usefulness in this direction a letter is now being prepared to be sent to all physicians of our district stating our willingness to see any one who will come here or to send a competent assistant to see cases who cannot come or who are unwilling to come, for which we should charge only the actual cost of travel where the patient cannot afford to pay a fee.

Our training school for nurses has continued under the direction of Miss Bedell, she having given 62 lessons from the textbooks during the year. Sixty-two lectures were given by members of the staff, and a special course of 16 lessons in diet cooking for invalids was conducted by Miss Titcomb, instructor at the People's Institute. Four nurses were graduated: Misses Janet Campbell, Jennie M. Ryan, Caroline A. Arthur and Mabel Tacy. Graduation exercises were held on October 15.

Our graduating classes always have been small. Many of the pupils leave the classes, partly because of personal unfitness for the position of nurse or of inability to go on with the class work, but largely because of a dislike on their part of the nature of the service, which latter also deters many who would like to enter a training school from applying, when it is learned what class of patients is cared for.

Few of our graduates remain long in our service, preferring to take postgraduate courses in the metropolitan hospitals or to seek more congenial work outside.

We realize how beneficial the training school is to the hospital. Much of the credit of whatever success we have is due to the kind, sympathetic service of the nurses who are in immediate contact and association with the patients. On the other hand, any unfavorable reputation the hospital may acquire is in no less degree due to the inefficient and tactless nurse.

It has been our aim to secure the very highest class of

nurses possible, and to this effort is to be attributed in part our inability to secure a desirable number of nurses to do our work, which number, as stated in previous reports, we think should not be less than 1 for each 8 patients, and better work could be done with a still larger corps of nurses. Each applicant, male and female, is required to fill out a blank stating fully his qualifications for the work and where he has been employed for the two years previous, giving the names of at least two responsible persons for reference. He also signs the following, which is printed on each blank: —

If accepted I promise to comply with the rules of the hospital; to treat the patients with the utmost kindness and consideration; not to be abusive or harsh to them; not to use profane, rough or improper language in their presence; not to use intoxicating beverages while in the service of the hospital.

On receipt of the application a letter is sent to each person to whom we were referred. Anything unfavorable in the reply is sufficient cause for rejection of the applicant. Frequently the time consumed in waiting for the blanks to be returned, and for replies to our letters investigating the character and qualifications of the applicant, is so long that when we have finally accepted the applicant we are advised that service meanwhile has been accepted elsewhere. Not infrequently the applicant refuses to come on learning that the hospital is for the care of the insane.

So long as situations in other lines of work are easily obtainable and more attractive, the number who apply for places here will not be large. Practically every State hospital has a training school, as has every general hospital of any size in this State and throughout New England; consequently, there is a large demand for pupil nurses, larger, we believe, than the available supply.

We must make the conditions in our service so attractive that we can secure a larger number than we have been able to keep for many years past. The conditions that seem likely to appeal most strongly to the largest number are higher wages, shorter hours and more congenial living accommodations.

These matters are presented for the careful consideration of

your Board. To properly carry them into effect will require larger appropriations by the Legislature.

Much attention has been given to occupation and diversion for the benefit of the patients. These matters have been so frequently spoken of at length in former reports that what can be said now must be a repetition of what has been said before.

In the useful lines of work patients have helped in all the domestic departments, in the shops, at the barns, in the fields. Out-of-door work on the farm, in the gardens and on the lawns is best for the largest number, being not only more suited to their mental capacity, but also more beneficial because carried on in the open air. This applies to women as well as to men, they also having helped in the gardens in picking pease, strawberries and the like, and some of them having cultivated small garden plots of their own, with the privilege of making personal use of whatever they raised, whether flowers or small vegetables and fruits.

For patients who need to be diverted yet are not suited, for a time at least, to the routine of household occupations, classes of fancywork have been conducted under an instructor, Miss Maud Brison. Here are taught the weaving, braiding and hooking of rugs, the making of baskets of raffia and of reeds, knitting, crocheting caps, ties, scarfs and the like, embroidery, quilt making, as well as plain sewing.

All the tinware used in the hospital is made here as well as all the mattresses, pillows and brooms, — for which we raise the broom corn. Upholstery, repairing of furniture, shoe repairing and the like are done by inmates.

Much cement work has been done the past year by patients under the direction of one man, as follows: a walk 6 feet wide to the laundry from the cross walk to the barn; a walk around the end of one side of the laundry 10 feet wide, with a long retaining wall and steps; a floor in the tunnel from the boiler room to the basement of the farm ward building; a walk along the west side of the boiler house; new steps and incline near the kitchen; a walk from the bakery to the back door; many square yards in the basement of the old hay barn; new gate posts at the entrance to the cow yard; a dam and retaining wall at the ice pond; and the foundations for the new boilers.

Some of the special matters deserving mention are the following: —

An extension of the ell of the brick house was made, two rooms being equipped as bathrooms.

A planing machine and a new lathe have been placed in the carpenter shop.

A kilowatt hour meter has been installed in the engine room.

There are now in use in the engine room a water meter, to register the quantity of water used in the boilers, and a recording thermometer, to show at what temperature the water enters the boilers. A daily record is kept of the coal used. By these means it is possible to estimate the efficiency of the fuel and the cost per unit of the electricity generated.

About 700 feet of steam pipe supplying the piggery have been replaced.

Tables are annexed to this report that show the results of some of our many and varied activities.

Reference to the table of farm products shows a favorable comparison with last year in spite of the prolonged drought of summer. Several of the crops were considerably larger this year than last, as hay and potatoes. Forty-five thousand more quarts of milk were produced and 5,000 pounds more of pork. Other staples, however, like cabbage, onions, sweet corn, squash and potatoes, did not yield as well as a year ago.

We have a fine herd of cows, better now than ever before. Fifty-two of them are thoroughbreds. For two years or more we have bought no cows, having kept the herd full by raising our calves. In the herd are twenty-five cows that have each yielded 10,000 pounds or more of milk during the year. One of these gave as her best day's record 104½ pounds, for seven days, 676 pounds and for six months, 10,327 pounds. Four others gave the following records: 10,889 pounds in seven months, 10,356 pounds in seven months, 8,845 pounds in seven months, 7,638 pounds in six months. These records were up to the end of the fiscal year.

Two hundred and two assemblies of patients have been held during the year in the "chapel" or entertainment hall. Religious services have been held every Lord's Day. Beginning

with Jan. 12, 1913, two services have been held, the morning service being conducted by the clergymen from St. Mary's Church for the Catholic patients, the afternoon services by various clergymen of the vicinity for Protestant patients. These services are variously attended by both Catholic and Protestant patients.

The following entertainments were held: readings by some member of the staff on 39 evenings; dancing on 27 evenings; card parties on 8 evenings; stereopticon lectures on 5 evenings; phonographic concerts on 7 evenings; December 9, songs in Japanese costume, Mr. Asai; December 16, ventriloquism, Mr. Cole; December 23, piano and vocal recital, Mr. Brigham; January 6, ventriloquism, Mr. Prescott; January 13, musical, Dr. Perry and friends; January 27, musical, Mr. Bill and Mr. Strout; February 3, "The Drummer Boy," Mr. Howard; February 10, musical by nurses and patients; February 12, "The Rivals," Northampton High School; February 17, music and readings, Mr. Paine and Mr. Morris; March 31, dramatic sketches, Mrs. Mills and others; April 26, class play, Amherst High School; May 3, dramatic readings, Mr. Kiernan; June 16, musical, the Misses Woods; September 24, music and readings, Mr. Lorraine; October 15, graduation of the nurses; October 22, dramatic sketch, Mrs. Mills and others; October 30, Hallowe'en party.

A moving-picture outfit has been purchased and will be put in use immediately.

We have a library of about 2,200 volumes, which patients are allowed to take to the wards. Sixty-six volumes of fiction were purchased for the circulating library.

Many articles have been given us for benefit of the patients, such as books, magazines, illustrated periodicals, fruit and gifts or money with which to purchase gifts for the Christmas tree for patients who had no friends to remember them. To these we express our sincere appreciation. A list of donors and gifts is as follows: money for Christmas gifts from Mrs. W. T. Parker, Mrs. J. L. Egbert and Mr. Goldstick; gifts for the Christmas tree, Mr. J. J. Sullivan; newspapers and magazines from Mr. Lyman, Mrs. Gere, Mr. O'Brien, Mr. McGregor, Miss Parker, Miss Eastman, Mrs. Spear, Mrs. L. W. Graves, Mrs.

Crossin, Mrs. Sheldon, Mrs. Simmison, Mrs. Warner and Miss Gorham; books for the library from Miss Eastman, Mr. Starkweather, Hon. W. M. Hayes, Senator Weeks and from Williams College; copies of "Christian Register," "Dumb Animals," "The Healthy Home Quarterly," "The New Church Journal" and "The Christian Science Monitor" have been regularly received.

JOHN A. HOUSTON,
Superintendent.

ARTICLES MADE IN SEWING ROOM.

Aprons,	421	Milk cloths,	156
Awnings,	2	Napkins hemmed,	366
Bathrobes,	36	Neckties,	21
Bureau covers,	209	Nightgowns,	1,128
Caps,	471	Petticoats,	159
Chemises,	22	Petticoats for baby,	5
Clothes bags,	63	Pillow cases,	1,013
Coats altered,	6	Pillow ticks,	74
Corset covers,	25	Rugs bound,	28
Covers for machinery,	16	Sheets,	1,407
Cushions,	3	Shirts,	625
Curtains, sash,	22	Shirts for baby,	3
Curtains, shade,	101	Shirt waists,	14
Curtains, muslin,	88	Skirt, dress,	1
Curtains hemmed,	26	Skirts altered,	20
Diapers,	6	Stand covers,	504
Drawers,	80	Suit altered,	1
Dresses,	217	Table cloths,	112
Dresses for baby,	5	Towels,	2,555
Dresses altered,	44	Trousers shortened, ^r pairs,	51
Dust cloths,	4	Vests altered,	2
Holder,	112	Waist altered,	1
Hose, pairs,	3	Articles repaired,	35,268
Mattress ticks,	20		

PRESERVING DONE IN KITCHEN DEPARTMENT.

Blackberry jam, quarts,	40	Cucumber pickles, barrels,	4
Blackberries spiced, quarts,	12	Cucumbers, salted, barrels,	2
Blueberries, quarts,	218	Pears, sweet pickle, gallons,	10
Brandied fruit, quarts,	6	Pepper hash, quarts,	24
Cherries, quarts,	200	Red peppers canned, quarts,	2
Citron, quarts,	46	Tomato sweet pickles, gallons,	5
Gooseberries, quarts,	65	Tomato chow-chow, gallons,	75
Peaches, quarts,	40	Grape marmalade, jars,	35
Pears, quarts,	30	Grape juice, quarts,	30
Plums, quarts,	73	Blackberry jelly, glasses,	10
Quince, quarts,	41	Cider apple jelly, glasses,	50
Rhubarb, quarts,	200	Currant jelly, glasses,	100
Strawberries,	64	Quince jelly, glasses,	20
Tomatoes,	670	Grape jelly, glasses,	80
Boiled cider, quarts,	66	Raspberry and apple jelly, glasses,	24
Chili sauce, gallons,	20		

WORK DONE IN INDUSTRIES DEPARTMENT.

Hair mattresses made, new material,	4
Hair mattresses made, old material,	810
Hair mattresses made, old hair, new ticks,	8
Hair pillows made, old hair, new ticks,	68
Hair pillows made, old hair, old ticks,	301
Feather pillows made, old material,	8
Chairs caned,	54
Brooms made,	567
Whisk brooms made,	106
Shoes tapped, pairs,	615
Shoes heeled, pairs,	719
Laundry baskets made,	9
Couches upholstered,	5
Bread boxes,	3

Bread pans,	24
Cake lifter,	1
Cake pans,	2
Colanders,	2
Chicken waterers,	8
Copper cans,	2
Copper cups,	16
Copper drip tank,	1
Copper flanges,	12
Copper fish cookers,	2
Dish covers,	3
Dish pans,	11
Drinking pail,	1
Dust pans,	5
Feeding cups,	12
Galvanized pails,	67
Irrigating tanks,	2
Milk cans,	12
Milk can covers,	3
Name plates,	50
Pans,	4
Perforated scrapers,	4
Pot cover,	1
Pudding dishes,	72
Quart cups,	48
Rings for dish pan,	6
Screen binders,	24
Soup boxes with covers,	12
Sprayer,	1
Sprinkling pot,	1
Square boxes,	6
Strainer rings,	2
Tobacco burners,	4
Two quart milk cups,	48
Watering pots,	7

OFFICERS AND EMPLOYEES.

[Period of service, Nov. 30, 1913.]

NAMES.	Years.	Months.	Days.
John A. Houston, M.D., superintendent,	24	2	7
Charles H. Dean, M.D., assistant physician,	13	6	21
B. Angela Bober, M.D., assistant physician,	2	2	2
Harriet W. Whitney, M.D., assistant physician,	14	8	17
Charles E. Perry, M.D., assistant physician,	1	3	26
Arthur N. Ball, M.D., assistant physician,	1	2	—
Geraldine Oakley, M.D., assistant physician,	—	2	15
Lewis F. Babbitt, treasurer,	22	1	18
Burton G. Fiske, supervisor,	10	1	15
Alice E. Bedell, superintendent of nurses,	11	3	20
Susan E. Warren, matron,	19	8	8
Martha G. Jones, secretary to superintendent,	20	4	11
Carl W. Hammond, farmer,	3	9	—
William J. Moore, steward,	17	1	13
Ord Thomas, assistant steward,	4	2	9
Frank L. Bardwell, assistant steward,	—	7	23
Rachel C. Packard, stenographer,	4	7	—
M. M. Perry, stenographer,	1	3	—
Susan E. Norton, clothesmarker,	5	7	29
Leon E. Bruce, baker,	8	5	4
Arthur L. Hubby, assistant baker,	2	10	23
George W. Thorniley, florist,	20	7	11
Thomas Butterworth, engineer,	6	—	17
William Day, assistant engineer,	15	7	29
Isaac Fisk, assistant engineer,	4	8	24
Francis Pond, assistant engineer,	5	4	5
Floyd Canedy, fireman,	—	2	3
George Forsythe, fireman,	1	—	2
Ernest E. Holmes, fireman,	1	6	12
Tefield Lucier, fireman,	2	1	—
Grover Wentzel, fireman,	4	—	2
Philip Finn, fireman,	—	—	15
Samuel A. Clark, fireman,	—	—	15
Grace Thomas, seamstress,	1	—	13
Margaret Tobin, seamstress,	2	8	23
Addie Wood, seamstress,	3	7	20
Charles E. Williams, laundryman,	16	2	29
George Begor, assistant laundryman,	6	2	9
Jennie Ferguson, laundress,	—	2	26
Ellen Moore, laundress,	7	5	2
Mary Shearer, laundress,	—	7	5

NAMES.	Years.	Months.	Days.
Lizzie Stalker, laundress,	—	1	4
Emma Billings, usher,	2	10	7
Affa Alden, usher,	—	—	13
Alice Campbell, housemaid,	1	5	12
Jennie Ferguson, housemaid,	—	2	26
Katherine Stone, housemaid,	—	4	8
Cecelia Thomas, housemaid,	2	9	27
Mary Cunningham, housemaid,	—	—	9
Mary Murphy, center dining room,	—	7	5
Josephine O'Neil, center dining room,	—	6	21
Agnes Gotski, kitchen maid,	3	7	18
Agnes Morris, kitchen maid,	—	1	2
Katherine Prosciak, kitchen maid,	—	10	15
Victoria Ridgeck, kitchen maid,	1	3	2
Julia Ryal, kitchen maid,	—	9	15
Jennie Grawski, kitchen maid,	—	—	21
Carrie Lis, kitchen maid,	—	—	23
George L. Smith, kitchen,	—	2	15
Lewis C. Roberts, kitchen,	—	—	14
Katharine Ridgeck, cook,	1	6	22
Josie Hurd, cook,	3	7	8
Fred D. Aldrich, nurse,	13	11	18
Luther Atherton, nurse,	—	6	2
Nathan Baker, nurse,	—	2	9
Spencer Balliet, nurse,	—	3	16
Emil Barbone, nurse,	—	1	15
Alexander Beaton, nurse,	8	4	14
David L. Bowe, nurse,	—	7	17
John J. Bradley, nurse,	5	6	18
George M. Clark, nurse,	1	8	9
Everett Ford, nurse,	—	5	21
William F. Gay, nurse,	2	6	30
Edward Grace, nurse,	—	2	22
Walter A. Grace, nurse,	—	3	19
Axel Gustafson, nurse,	3	6	30
Matthew Hudson, nurse,	2	6	17
David Keefe, nurse,	—	4	—
James H. Joy, nurse,	1	11	4
George H. King, nurse,	—	6	16
Robert Kinney, nurse,	2	2	20
Charles Mansfield, nurse,	1	11	23
Abraham Marks, nurse,	—	2	9
Michael McCaffrey, nurse,	4	—	2
Frank A. Melvin, nurse,	—	2	28
Eugene J. Miller, nurse,	—	5	20
William O'Hare, nurse,	—	4	22
Thomas O'Neil, nurse,	—	2	16
Alfred Owen, nurse,	4	9	15
Elmer Palmer, nurse,	—	4	13
Charles M. Pease, nurse,	7	6	6
Harry Smith, nurse,	—	2	1

NAMES.	Years.	Months.	Days.
Harry E. Spencer, nurse,	—	10	13
Henry Sthal, nurse,	—	10	13
Lawrence Tierney, nurse,	—	7	12
W. Irving Toothaker, nurse,	—	2	27
Samuel Vondel, nurse,	—	1	29
Russell Warren, nurse,	—	1	11
Donald Williams, nurse,	—	5	8
Harry Williams, nurse,	—	3	5
William E. Wilson, nurse,	—	5	8
William A. Wood, nurse,	2	7	12
Leigh Stewart, nurse,	—	1	1
Stanley Stewart, nurse,	—	1	1
Carl Hill, nurse,	—	—	24
Alphonse Bradley, nurse,	—	—	27
Harry Collins, nurse,	—	—	19
Chester W. Clements, nurse,	—	—	15
John W. Jameson, nurse,	—	—	17
John R. Wilson, nurse,	—	—	12
Caroline Arthur, nurse,	2	—	17
Mildred Beckwith, nurse,	1	1	12
Goldie Bickford, nurse,	5	2	—
Annie Brewer, nurse,	1	1	22
Elizabeth Cyr, nurse,	1	2	20
Julia Dalton, nurse,	1	6	12
Bathena R. Davis, nurse,	—	2	10
Mary G. Davis, nurse,	—	1	20
Alice Deslauriers, nurse,	1	9	29
Clara Deslauriers, nurse,	—	6	4
Isabel Ferguson, nurse,	—	2	1
Bess M. Foss, nurse,	—	4	2
Margaret L. Gavin, nurse,	—	1	17
Margaret Horgan, nurse,	—	3	16
Florrie Horton, nurse,	1	—	24
Hanna Kelleher, nurse,	1	1	24
Margaret Kelley, nurse,	5	1	23
Marion MacKay, nurse,	1	4	26
Blanche MacLean, nurse,	—	1	18
Hope Mahaney, nurse,	—	7	23
Effie Mahy, nurse,	9	4	24
Ethel M. Marion, nurse,	—	4	24
Mary Montgomery, nurse,	—	3	15
Lucy M. Pangborn, nurse,	—	1	29
Dorothy Ross, nurse,	—	2	29
Jennie Ryan, nurse,	5	7	5
Sadie M. Sharp, nurse,	—	4	17
Mabel Tacy, nurse,	4	8	16
Lena M. Tanner, nurse,	—	2	14
Mary Walsh, nurse,	—	1	16
Flora A. Whitney, nurse,	—	4	18
Mabel Wood, nurse,	6	1	18

NAMES.	Years.	Months.	Days.
Lucy A. Hill, nurse,	—	—	24
Doris Crosby, nurse,	—	—	21
Marguerite Crosby, nurse,	—	—	21
Gertrude Chapman, nurse,	—	—	18
Lena Marmane, nurse,	—	—	18
Maud L. Brison, nurse,	—	3	—
Thomas P. Clair, plumber,	15	7	—
Albert DeGrandpre, carpenter,	8	10	—
William LaSalle, carpenter,	2	10	2
Arthur W. Lee, painter,	2	6	10
Henry Maynard, carpenter,	5	5	22
Roscoe Tobin, plumber,	11	—	28
Walter M. Tower, carpenter,	35	10	—
Benjamin Wood, painter,	1	11	—
Herbert Clark, farmer,	—	5	—
James Denny, farmer,	5	1	24
Xavier Dion, farmer,	20	5	16
Michael Drozdial, farmer,	2	8	8
Thomas Drozdial, farmer,	9	—	—
Chas. Dumont, farmer,	1	10	27
Frank Hurd, farmer,	4	5	10
Fred Kempker, farmer,	2	7	—
Frank Lyonais, farmer,	—	8	—
Paul Maynard, farmer,	—	11	16
David Mercier, coachman,	36	9	13
Daniel O'Connell, farmer,	—	7	—
Fred Pierce, farmer,	—	3	—
Frank Sanborn, farmer,	6	6	22
Fred Smith, farmer,	2	8	10
Walter Streeter, herdsman,	10	3	1
Albert Taylor, farmer,	—	3	—
Howard Tyler, farmer,	—	7	15

FARM PRODUCTS.

Apples, 289 barrels,	\$1,011 50
Asparagus, 77 boxes,	308 00
Beans, shell, 47 bushels,	70 50
Beans, lima improved, 93 bushels,	158 10
Beans, string, 183 bushels,	228 75
Beef, cow, 12,202 pounds,	976 16
Beef, steer, 20,521 pounds,	2,462 52
Beets, 212 bushels,	159 00
Beet greens, 69 bushels,	27 60
Broilers, 797½ pounds,	193 30
Broom brush and seed, 6,800 pounds,	544 00
Brussels sprouts, 26½ quarts,	2 96
Cabbage, 22½ tons,	630 00
Carrots, 200½ bushels,	150 38
Cauliflower, 41 bushels,	34 85
Celery, 500 boxes,	425 00
Chard, 8 bushels,	3 20
Cherries, 426 quarts,	51 12
Chickens, 534 pounds,	133 50
Cider, 1,182 gallons,	177 30
Citron, 2,200 pounds,	22 00
Corn, green, 486 bushels,	291 60
Cucumbers, 113½ boxes,	170 25
Cucumber pickles, 27½ bushels,	38 50
Cucumbers, greenhouse, 696,	34 80
Currants, 215 quarts,	21 50
Eggs, 2,431 dozen,	607 75
Egg plant, 12 barrels,	33 00
Fence posts, 102,	20 40
Fodder, ensilage, 500 tons,	2,500 00
Fodder, alfalfa, 6½ tons,	97 50
Fodder, corn, green, 110 tons,	550 00
Fowl, 517½ pounds,	87 97
Gooseberries, 810 quarts,	81 00
Grapes, 500 pounds,	20 00
Hay, first crop, 360 tons,	7,200 00
Hay, second crop, 30 tons,	300 00

<i>Amount carried forward,</i>	\$19,824 01
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<i>Amount brought forward,</i>		\$19,824 01	
Ice, 730 tons,		2,920 00	
Lettuce, 510 boxes,		229 50	
Lumber, 13,187 feet,		329 67	
Manure, 375 cords,		1,875 00	
Milk, 315, 120 quarts,		20,482 86	
Mint, 5 bushels,		2 00	
Muskmelons, 356 crates,		445 00	
Onions, 351 bushels,		351 00	
Parsley, 11 bushels,		4 40	
Parsnips, 336½ bushels,		252 38	
Peaches, 3 bushels,		2 25	
Pears, 63 bushels,		47 25	
Peas, 133 bushels,		79 80	
Peppers, 9½ bushels,		4 75	
Plums, 288 baskets,		43 20	
Potatoes, 2,844 bushels,		2,133 00	
Pork, 40,094 pounds,		4,009 40	
Pumpkins, 2,400 pounds,		48 00	
Quinces, 3 bushels,		9 00	
Radishes, 632 dozen bunches,		252 80	
Raspberries, 87 quarts,		10 44	
Rhubarb, 17,950 pounds,		179 50	
Rye, unthreshed, 8½ tons,		174 25	
Salsify, 28 bushels,		30 80	
Squash, summer, 13 barrels,		10 40	
Squash, winter, 16 tons,		400 00	
Spinach, 180½ bushels,		63 18	
Strawberries, 4,119 quarts,		494 28	
Tomatoes, ripe, 520 bushels,		390 00	
Tomatoes, green, 30 bushels,		15 00	
Tomatoes, greenhouse, 54 pounds,		5 40	
Turnips, 326 barrels,		652 00	
Watermelons, 804,		120 60	
Wood, 80 cords,		320 00	
Total,			\$56,211 12
Sales: —			
Cows and calves,		\$707 35	
Hides,		502 10	
Pigs and hogs,		298 00	
Vegetables,		33 91	
Sundries,		292 94	
Total,			1,834 30
Total farm product,			\$58,045 42

Live stock belonging to the hospital: —

Bulls, 4,	\$600 00
Calves, 15,	375 00
Cows, 86,	7,310 00
Fowls, 487,	487 00
Heifers, 21,	1,050 00
Hogs, fat, 160,	3,200 00
Shoats, 195,	1,950 00
Pigs, 54,	270 00
Brood sows, 42,	1,470 00
Boars, 4,	140 00
Horses, 16,	4,125 00
Oxen, 18,	2,700 00
Steers, 5,	500 00
<hr/>	
Total,	\$24,177 00

VALUATION.

REAL ESTATE.

Grounds and building sites, 23 acres,	\$4,861 20	
Woodland, 93 acres,	19,655 55	
Mowing, 110 acres,	23,248 50	
Pasturage, 185 acres,	39,099 75	
Tillage, 100 acres,	21,135 00	
Hospital building,	616,619 00	
Farmhouse,	1,500 00	
Brick house,	2,000 00	
Three dwellings,	5,500 00	
Cold storage,	30,000 00	
Two barns,	5,500 00	
Cow stable,	13,000 00	
Horse stable,	6,000 00	
Lumber shed,	850 00	
Piggery,	3,000 00	
Cart shed,	400 00	
Pump house,	400 00	
Paint shop,	2,039 00	
Laundry (new),	40,353 00	
Cook house and barn,	2,500 00	
Bradley house,	800 00	
Burnett house,	1,200 00	
Total real estate,		\$839,661 00

PERSONAL ESTATE.

Food,	\$9,221 75	
Clothing and clothing material,	3,263 27	
Furnishings,	40,455 20	
Fuel,	5,286 00	
Engines, etc.,	80,802 00	
Repairs and improvements,	4,469 72	
Farm, stable and grounds,	49,670 62	
Miscellaneous,	2,903 53	
Unexpended balance of maintenance appropriation,	10,444 38	
Unexpended balance of special appropriation,	3,930 47	

Amounts carried forward, \$210,446 94 \$839,661 00

<i>Amounts brought forward,</i>						\$210,446 94	\$839,661 00
Accounts receivable,	.	.	.	.	.	14,651 08	
Cash on hand:—							
Office,	.	.	.	.	.	953 93	
Bank,	.	.	.	.	.	3,696 11	
Patients' money,	.	.	.	.	.	2,837 76	
Endowments, etc.,	.	.	.	.	.	759 30	
Total personal estate,	.	.	.	.	.	<hr/>	233,345 12
							<hr/>
							\$1,073,006 12

ACCOUNTS PAYABLE.

Maintenance,	.	.	.	.	.	.	\$10,394 92
Trust funds:—							
Patients' money,	.	.	.	.	.	\$2,837 76	
Endowments,	.	.	.	.	.	759 30	
						<hr/>	3,597 06
Excess of resources over liabilities,	.	.	.	.	.	.	1,059,014 14
							<hr/>
							\$1,073,006 12

STATEMENT OF FUNDS.

On hand, Nov. 30, 1912,	.	.	.	.	.	\$1,920 09	
Receipts,	.	.	.	.	.	4,141 81	
						<hr/>	\$6,061 90
Refunded,	.	.	.	.	.	.	3,224 14
							<hr/>
Balance on hand Nov. 30, 1913,	.	.	.	.	.	.	\$2,837 76

Fred B. Kelly Fund.

Balance, Nov. 30, 1912,	\$729 84
Income,	.	.	.	.	.	.	29 46
							<hr/>
Balance on hand Nov. 30, 1913,	.	.	.	.	.	.	\$759 30

TREASURER'S REPORT.

To the Trustees of the Northampton State Hospital.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1913:—

CASH ACCOUNT.			
Balance Dec. 1, 1912,	.	.	\$1,876 34
<i>Receipts.</i>			
<i>Institution Receipts.</i>			
Board of inmates:—			
Private,	.	\$33,417 57	
Reimbursements, insane,	.	15,441 97	
		<hr/>	\$48,859 54
Sales:—			
Food,	.	\$205 86	
Clothing and materials,	.	276 19	
Furnishings,	.	6 50	
Heat, light and power,	.	70 79	
Repairs and improvements,	.	80 00	
Miscellaneous,	.	127 13	
Farm, stable and grounds:—			
Cows and calves,	\$707 35		
Pigs and hogs,	298 00		
Hides,	502 10		
Vegetables,	33 91		
Sundries,	292 94		
		<hr/>	1,834 30
			2,600 77
Miscellaneous receipts:—			
Interest on bank balances,	.	\$161 66	
Sundries,	.	43 78	
		<hr/>	205 44
			<hr/> 51,665 75
<i>Receipts from Treasury of Commonwealth.</i>			
Maintenance appropriations:—			
Balance of 1912,	.	\$8,695 80	
Advance money (amount on hand November 30),	.	5,000 00	
Approved schedules of 1913,	\$175,780 62		
Less returned,	25 00		
		<hr/>	175,755 62
			189,451 42
Special appropriations,	.	.	17,676 08
			<hr/>
Total,	.	.	\$260,669 59

Payments.

To treasury of Commonwealth, institution receipts,	\$51,665 75	
Maintenance appropriations: —		
Balance November schedule, 1912,	\$11,190 14	
Eleven months schedules, 1913,	175,755 62	
November advances,	349 96	
	<hr/>	187,295 72
Special appropriations: —		
Approved schedules,	\$17,676 08	
Less advances, last year's report,	618 00	
	<hr/>	17,058 08
Balance Nov. 30, 1913: —		
In bank,	\$3,696 11	
In office,	953 93	
	<hr/>	4,650 04
Total,		\$260,669 59

MAINTENANCE.

Appropriation,	\$186,200 00
Expenses (as analyzed below),	186,150 54
	<hr/>
Balance reverting to treasury of Commonwealth,	\$49 46

Analysis of Expenses.

Salaries, wages and labor: —		
John A. Houston, M.D., superintendent,	\$3,000 00	
General administration,	19,297 45	
Medical service,	5,750 48	
Ward service (male),	14,716 06	
Ward service (female),	13,186 12	
Repairs and improvements,	5,923 44	
Farm, stable and grounds,	9,096 80	
	<hr/>	\$70,945 35
Food: —		
Butter,	\$6,662 36	
Butterine,	158 85	
Beans,	511 76	
Bread and crackers,	444 58	
Cereals, rice, meal, etc.,	1,405 01	
Cheese,	449 12	
Eggs,	6,837 82	
Flour,	5,879 10	
Fish,	2,554 15	
Fruit (dried and fresh),	2,070 55	
Lard,	684 91	
Meats,	12,956 37	
Molasses and syrup,	472 53	
Spices, seasonings, salt, etc.,	305 41	
Sugar,	3,364 17	
Tea, coffee, broma and cocoa,	2,180 53	
Vegetables,	854 54	
Yeast,	254 50	
Sundries,	1,326 80	
	<hr/>	49,373 06
Amount carried forward,		\$120,318 41

Amount brought forward, \$120,318 41

Clothing and materials: —

Boots, shoes and rubbers,	\$737 16
Clothing,	1,944 42
Dry goods for clothing and small wares,	1,857 46
Furnishing goods,	276 50
Hats and caps,	36 25
Leather and shoe findings,	103 34
Sundries,	62 43

5,017 56

Furnishings: —

Beds, bedding, table linen, etc.,	\$3,107 06
Brushes, brooms,	287 14
Carpets, rugs, etc.,	376 40
Crockery, glassware, cutlery, etc.,	604 62
Furniture and upholstery,	67 62
Kitchen furnishings,	38 80
Sundries,	379 64

4,861 28

Heat, light and power: —

Coal,	\$9,208 89
Freight on coal,	4,962 70
Wood,	107 83
Electricity,	63 82
Gas,	78 88
Oil,	173 35
Sundries,	21 63

14,617 10

Repairs and improvements: —

Brick,	\$209 00
Cement, lime and plaster,	362 33
Doors, sashes, etc.,	34 05
Electrical work and supplies,	1,180 45
Hardware,	1,854 05
Lumber,	2,932 91
Machines (detached),	506 22
Paints, oil, glass, etc.,	1,052 00
Plumbing, steam fitting and supplies,	2,247 99
Roofing and materials,	62 45
Sundries,	920 46

11,361 91

Farm, stable and grounds: —

Blacksmith and supplies,	\$464 35
Carriages, wagons, etc., and repairs,	105 78
Fertilizers, vines, seeds, etc.,	2,208 93
Hay, grain, etc.,	8,959 85
Harnesses and repairs,	201 90
Horses,	1,172 50
Other live stock,	2,128 50
Tools, farm machines, etc.,	416 14
Sundries,	1,370 50

17,028 45

Amount carried forward, \$173,204 71

Amount brought forward,	\$173,204	71
Religious services,	996	00
Miscellaneous:—		
Books, periodicals, etc.,	\$308	23
Entertainments,	526	80
Freight, expressage and transportation,	218	21
Funeral expenses,	69	83
Medicines and hospital supplies,	1,051	86
Medical attendance, nurses, etc. (extra),	2,554	28
Postage,	305	70
Printing and printing supplies,	70	57
Printing annual report,	191	70
Return of runaways,	54	06
Soap and laundry supplies,	1,566	24
Stationery and office supplies,	386	50
Travel and expenses (officials),	726	83
Telephone and telegraph,	216	08
Tobacco,	19	65
Water,	2,973	43
Sundries,	709	86
	<hr/>	11,949 83
Total expenses for maintenance,	\$186,150	54

SPECIAL APPROPRIATIONS.

Balance Dec. 1, 1912,	. . . . .	\$12,086 26
Appropriations for fiscal year,	. . . . .	10,000 00
Total,	. . . . .	<u>\$22,086 26</u>
Expended during the year (see statement annexed),	\$17,676 08	
Reverting to treasury of Commonwealth,	479 71	
	<u> </u>	<u>18,155 79</u>
Balance Nov. 30, 1913,	. . . . .	\$3,930 47

RESOURCES AND LIABILITIES.

Resources.

Cash on hand,	\$4,650 04	
November cash vouchers (paid from advance money), account of maintenance,	349 96	
Due from treasury of Commonwealth, account November, 1913, schedule,	5,394 92	
	<hr/>	\$10,394 92

Liabilities.

Schedule of November bills,	\$10,394 92
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Special Appropriations.

OBJECT.	Act or Resolve.	Whole Amount.	Expended during Fiscal Year.	Expended to Date.	Balance at End of Year.
Addition to and improvements in bakery, . .	Acts 1911, chap. 156,	\$6,500 00	\$329 57	\$6,092 01	\$407 99 ¹
New laundry building and equipment of same, .	Acts 1911, chap. 156,	40,425 00	11,276 98	40,353 28	71 72 ¹
New boilers,	Acts 1913, chap. 133,	10,000 00	6,069 53	6,069 53	3,930 47
		\$56,925 00	\$17,676 08	\$52,514 82	\$3,930 47

¹ Reverting to treasury of the Commonwealth.

Respectfully submitted,

LEWIS F. BABBITT,
Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

WARREN A. MERRILL,
Assistant Supervisor of Accounts.

STATISTICAL TABLES.

[FORM PRESCRIBED BY STATE BOARD OF INSANITY.]

1. — General Statistics for the Year — Concluded.

	INSANE.			NOT INSANE. VOLUNTARY.			TEMPORARY CARE.			INEBRIATES.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients remaining Sept. 30, 1913,	456	450	906	—	1	1	1	—	1	—	—	1	457	452	909
Viz.: regularly committed,	455	447	902	—	—	—	—	—	—	—	—	—	455	448	903
emergency,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
voluntary,	1	3	4	—	1	1	—	—	—	—	—	—	1	4	5
temporary care,	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
supported as State patients,	370	317	687	—	1	1	1	—	1	—	—	1	371	319	690
as reimbursing patients,	42	55	97	—	—	—	—	—	—	—	—	—	42	55	97
as private patients,	44	78	122	—	—	—	—	—	—	—	—	—	44	78	122
Number of different persons within the year,	649	602	1,251	3	2	5	11	4	15	—	2	2	663	610	1,273
Number of different persons admitted,	195	189	384	3	1	4	11	4	15	—	1	1	209	195	404
Number of different persons dismissed from the community,	189	175	364	3	1	4	11	4	15	—	1	1	203	181	384
Number of different persons committed,	196	156	352	3	1	4	10	4	14	—	1	1	209	162	371
Number of different persons recovered,	181	141	322	3	1	4	10	4	14	—	1	1	194	147	341
Number of different persons capable of self-support,	34	19	53	—	—	—	2	—	2	—	1	1	36	20	56
Daily average number of patients,	36	28	64	—	—	—	—	—	—	—	—	—	36	30	66
Viz.: State patients,	453.92	427.96	881.88	.003	1.48	1.48	.014	.002	.016	.029	.029	.029	453.937	429.471	883.408
reimbursing patients,	371.41	298.82	670.23	.003	1.48	1.48	.014	.002	.016	.029	.029	.029	371.437	300.331	671.768
private patients,	41.75	52.57	94.32	—	—	—	—	—	—	—	—	—	41.75	52.57	94.32
Whole number of emergency admissions,	40.76	76.57	117.34	—	—	—	—	—	—	—	—	—	40.76	76.57	117.33
Whole number of voluntary admissions,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily average number of voluntary patients,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Whole number of temporary care patients,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily average number of temporary care patients,	—	—	—	—	—	—	—	—	—	—	—	—	.3753	.1969	.5722

2. — *Insane received on First and Subsequent Commitments.*

NUMBER OF COMMITMENTS.	CASES COMMITTED.		
	Males.	Females.	Totals.
First to this hospital,	169	152	321
Second to this hospital,	17	18	35
Third to this hospital,	7	2	9
Fourth to this hospital,	—	3	3
Seventh to this hospital,	—	1	1
Tenth to this hospital,	1	—	1
Total cases,	194	176	370
Total persons,	189	175	364
Never before in any hospital for the insane, . . .	161	144	305

3. — *Nativity and Parentage of Insane Persons first admitted to Any Hospital.*

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.
Massachusetts,	62	28	33	48	32	27	110	60	60
Other New England States,	10	11	11	15	8	11	25	19	22
Other States,	20	10	10	13	9	14	33	19	24
Total native,	92	49	54	76	49	52	168	98	106
Other countries: —									
Armenia,	1	1	1	—	—	—	1	1	1
Austria,	8	8	8	5	5	5	13	13	13
Bohemia,	—	—	—	1	1	1	1	1	1
Canada,	15	24	20	19	22	19	34	46	39
Denmark,	1	1	1	—	—	—	1	1	1
England,	5	6	6	1	5	4	6	11	10
Finland,	—	—	—	1	1	1	1	1	1
France,	1	1	1	—	—	—	1	1	1
Germany,	—	1	—	—	—	—	—	1	—
Greece,	1	1	1	—	—	—	1	1	1
Hungary,	—	—	—	1	1	1	1	1	1
Ireland,	18	39	43	27	39	44	45	78	87
Italy,	3	3	3	3	3	3	6	6	6
Poland,	3	3	3	1	1	1	4	4	4
Prussia,	—	1	—	—	—	—	—	1	—
Roumania,	1	1	1	—	—	—	1	1	1
Russia,	6	6	6	5	5	5	11	11	11
Scotland,	2	3	4	2	6	3	4	9	7
Sweden,	1	1	1	—	—	—	1	1	1
Switzerland,	1	1	1	—	—	—	1	1	1
Syria,	1	1	1	—	—	—	1	1	1
Wales,	—	—	—	—	—	1	—	—	1
Total foreign,	68	102	101	66	89	88	134	191	189
Unknown,	1	10	6	2	6	4	3	16	10
Totals,	161	161	161	144	144	144	305	305	305

4. — Residence of Insane Persons admitted from the Community.

	FIRST ADMITTED TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Hampshire County,	25	27	52	2	4	6	27	31	58
Hampden County,	96	64	160	15	15	30	111	79	190
Franklin County,	9	17	26	5	4	9	14	21	35
Berkshire County,	26	31	57	5	7	12	31	38	69
Barnstable County,	-	1	1	-	-	-	-	1	1
Middlesex County,	-	3	3	-	-	-	-	3	3
Suffolk County,	1	-	1	1	-	1	2	-	2
Worcester County,	4	1	5	-	1	1	4	2	6
Totals,	161	144	305	28	31	59	189	175	364
Unknown,	-	-	-	-	-	-	-	-	-
Totals,	161	144	305	28	31	59	189	175	364
Cities and towns,	132	117	249	26	23	49	158	140	298
Country districts,	29	27	56	2	8	10	31	35	66
Totals,	161	144	305	28	31	59	189	175	364

5. — Civil Condition of Insane Persons first admitted to Any Hospital.

	Males.	Females.	Totals.
Unmarried,	80	55	135
Married,	59	55	114
Widowed,	19	30	49
Divorced,	2	4	6
Unknown,	1	-	1
Totals,	161	144	305

6. — Occupation of Insane Persons first admitted to Any Hospital.

MALES.

Armorer,	1	Newspaper reporter,	1
Bakers,	3	Operatives,	31
Barbers,	2	Painters,	4
Bartender,	1	Peddler,	1
Blacksmith,	1	Plumbers,	2
Butcher,	1	Policeman,	1
Carpenters,	7	Printer,	1
Chauffeur,	1	Railroad conductors,	2
Chef,	1	Railroad fireman,	1
Cigar maker,	1	Roofer,	1
Clerks,	2	Salesmen,	3
Farmers,	8	Scullion,	1
Farm laborers,	5	Shipping clerks,	2
Florist,	1	Shoemaker,	1
Gardener,	1	Stationary engineer,	1
Hackman,	1	Student,	1
Insurance agent,	1	Tailor,	1
Laborers,	38	Telegraph operator,	1
Liquor dealer,	1	Tool makers,	2
Lunch room proprietor,	1	Waiter,	1
Machinists,	3	Whip makers,	3
Masons,	5	Wood chopper,	1
Merchants,	2	Wood worker,	1
Mill agent,	1	No occupation,	6
Molder,	1		
Music teacher,	1	Total,	161

FEMALES.

Bookkeeper,	1	Stenographers,	3
Clerks,	2	Students,	2
Cooks,	3	Teacher,	1
Domestics,	9	Telegraph operator,	1
Housework,	34	Tobacco strippers,	2
Lace maker,	1	No occupation,	20
Noviciate,	1		
Nurse,	1	Total,	93
Operatives,	12		

WIFE OF —

Banker,	1	Liveryman,	1
Bookkeeper,	1	Loom fixer,	1
Box maker,	1	Machinist,	2
Brewery tester,	1	Mechanic,	1
Carpenter,	2	Operative,	7
Cigar maker,	1	Painter,	1
Contractor,	1	Railroad conductor,	1
Engineer,	1	Roofer,	1
Farmer,	4	Salesman,	2
Harness maker,	1	Teacher,	1
Ice peddler,	1	Watchman,	1
Iron molder,	1		
Laborer,	16	Total,	51

7. — *Ages of Insane at First Attack, Admission and Death.*

	FIRST ADMITTED TO ANY HOSPITAL.						DIED.						
	AT FIRST ATTACK.				WHEN ADMITTED.		AT FIRST ATTACK.				AT TIME OF DEATH.		
	Males.	Females.	Totals.		Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	22	19	41		—	—	—	4	2	6	—	—	—
15 years and less,	1	—	1		1	—	1	—	—	—	—	—	—
From 15 to 20 years,	10	4	14		10	5	15	3	—	6	—	—	—
20 to 25 years,	17	16	33		21	17	38	4	2	6	4	1	1
25 to 30 years,	10	12	22		15	16	31	2	3	5	1	1	2
30 to 35 years,	11	14	25		13	17	30	1	4	5	3	3	6
35 to 40 years,	16	14	30		20	13	33	7	3	10	1	3	4
40 to 50 years,	30	19	49		31	26	57	13	6	19	12	7	19
50 to 60 years,	11	11	22		19	13	32	5	7	12	8	6	14
60 to 70 years,	10	17	27		14	12	26	11	13	24	13	7	20
70 to 80 years,	9	12	21		12	19	31	6	9	15	10	17	27
Over 80 years,	4	3	7		5	6	11	3	3	6	8	10	18
Total,	151	141	292		161	144	305	59	55	114	60	56	116
Not insane,	6	1	7		—	—	—	—	—	—	—	—	—
Unknown,	4	2	6		—	—	—	1	1	2	—	—	—
Totals,	161	144	305		161	144	305	60	56	116	60	56	116
Mean known ages (in years),	30.84	43.3	36.78		41.77	44.4	43	45.83	49.87	47.8	56.83	61.52	59.11

9. — Probable Duration of Mental Disease before Admission.

PREVIOUS DURATION.	FIRST ADMITTED TO ANY HOSPITAL.		
	Males.	Females.	Totals.
Congenital,	22	19	41
Under 1 month,	38	28	66
From 1 to 3 months,	17	19	36
3 to 6 months,	11	15	26
6 to 12 months,	15	17	32
1 to 2 years,	19	12	31
2 to 5 years,	21	21	42
5 to 10 years,	2	7	9
10 to 20 years,	6	—	6
Over 20 years,	—	3	3
Total,	151	141	292
Unknown,	4	2	6
Not insane,	6	1	7
Totals,	161	144	305
Average known duration (in years), .	1.27	1.48	1.37

10. — *Form of Mental Disease in Patients admitted from the Community or discharged, with Condition on Discharge, or died.*

FORM OF DISEASE.	COMMIT ED.			DISCHARGED.												DIED.			TOTAL DISCHARGES AND DEATHS.			
	Males.	Females.	Totals.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			Males.	Females.	Totals.	
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.							
A. — First admitted to any hospital: —																						
Acute alcoholic insanity,	13	3	21	26	2	4	1	—	1	1	—	1	—	—	—	—	—	—	28	2	30	
Acute delirium,	—	4	4	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	6	6	
Chronic alcoholic insanity,	10	2	12	—	1	2	1	1	—	—	—	—	—	—	—	—	—	—	—	3	7	
Dementia praecox,	38	32	70	—	4	5	4	3	7	11	5	15	4	3	7	—	—	—	24	18	42	
Epilepsy,	3	—	3	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	3	1	4	
Huntington's chorea,	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Hysteria major,	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Involution psychosis,	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Manic-depressive insanity: —	5	11	16	1	2	3	3	2	5	—	—	—	1	—	1	—	—	—	5	7	12	
Depressed form,	4	12	16	2	1	3	4	4	8	—	5	5	1	1	2	—	—	—	7	11	18	
Maniacal form,	4	11	15	2	5	7	1	2	3	—	—	—	1	1	2	—	—	—	2	9	11	
Mixed form,	2	4	6	1	—	1	3	3	4	2	1	3	1	—	1	—	—	—	3	4	7	
Mental deficiency,	22	17	39	—	—	—	3	3	6	2	2	4	2	5	7	—	—	—	9	10	19	
Organic brain disease,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Organic dementia,	9	13	22	—	—	—	3	1	4	—	—	—	1	1	2	—	—	—	9	10	19	
Paranoia,	5	6	11	—	2	2	3	2	5	—	—	—	2	2	4	—	—	—	6	9	15	
Paresis,	10	—	10	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	10	4	14	
Pellagra,	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	2	
Senile dementia,	23	24	47	—	—	—	6	—	6	2	2	4	—	4	4	—	—	—	26	25	51	
Morphine habit, chronic,	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	
Not insane,	6	1	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6	1	7	
Total A,	161	144	305	30	14	44	27	21	48	18	12	30	13	17	30	6	1	7	139	112	251	

10. — *Form of Mental Disease in Patients admitted from the Community or discharged, with Condition on Discharge, or died*
— Concluded.

FORM OF DISEASE.	COMMITTED.			DISCHARGED.						DIED.			TOTAL DISCHARGES AND DEATHS.		
	Males.	Females.	Totals.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			NOT IMPROVED.			NOT INSANE.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
B. — Other admissions: —															
Acute alcoholic insanity.	2	2	4	2	—	2	—	—	—	—	—	—	—	—	—
Chronic alcoholic insanity.	2	3	5	—	—	—	—	—	—	—	—	—	—	—	—
Dementia præcox.	2	4	6	—	1	1	—	2	3	—	2	2	—	5	11
Epilepsy.	2	2	4	—	2	2	—	—	—	—	—	—	—	—	—
Involution psychosis.	4	3	7	—	—	—	—	—	—	—	—	—	—	—	—
Manic-depressive insanity: —															
Depressed form.	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—
Maniacal form.	3	8	11	1	2	3	—	—	—	—	—	—	—	—	—
Mixed form.	5	1	6	1	—	1	—	—	—	—	—	—	—	—	—
Mental deficiency.	2	1	3	—	—	—	—	—	—	—	—	—	—	—	—
Organic brain disease.	3	2	5	—	—	—	—	—	—	—	—	—	—	—	—
Organic dementia.	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—
Paranoia.	1	3	4	—	—	—	—	—	—	—	—	—	—	—	—
Paresis.	3	1	4	—	—	—	—	—	—	—	—	—	—	—	—
Senile dementia.	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Morphine habit, chronic.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total B.	33	32	65	4	5	9	9	7	16	5	4	9	1	5	6
Aggregate cases.	194	176	370	34	19	53	36	23	64	23	16	39	14	22	36
Aggregate persons, ¹	189	175	364	34	19	53	36	28	64	23	16	39	14	22	36

¹ One man was discharged once as recovered and once as capable of self-support, and one woman was discharged once as improved and once as unimproved, making total persons, 313.

11. — *Discharges of the Insane, classified by Admission and Results, and Deaths.*

NUMBER OF THE ADMISSION.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			TOTAL DISCHARGES AND DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital, . . .	31	15	46	28	24	52	21	13	34	13	19	32	6	1	7	48	49	97	147	121	268
Second to this hospital, . . .	2	3	5	6	3	9	1	2	3	1	3	4	-	-	-	11	6	17	21	17	38
Third to this hospital, . . .	1	-	1	2	1	3	-	-	-	-	-	-	-	-	-	1	1	2	4	2	6
Fourth to this hospital, . . .	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1
Fifth to this hospital, . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Ninth to this hospital, . . .	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
Total cases, . . .	34	19	53	36	28	64	23	16	39	14	22	36	6	1	7	60	56	116	173	142	315
Total persons, ¹ . . .	34	19	53	36	28	64	23	16	39	14	22	36	6	1	7	60	56	116	173	142	315
First admitted to any hospital,	30	14	44	27	21	48	18	12	30	13	17	30	6	1	7	45	47	92	139	112	251

¹ One man was discharged once as recovered and once as capable of self-support, and one woman was discharged once as improved and once as unimproved, making total persons, 313.

12. — Causes of Death and Form of Mental Disease in Persons who died.

	ACUTE DELIRIUM.			CHRONIC ALCOHOLIC.			DEMENTIA PRÆCOX.			EPILEPSY.			HYSTERIA MAJOR.			INVOLUTION PSYCHOSIS.			MANIC DEPRESSIVE.			MENTAL DEFICIENCY.			
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	
General diseases: —																									
Carcinoma of pancreas,																									
Carcinoma of stomach,																									
Carcinoma of uterus,																									
Chronic alcoholic insanity,					1	1																			
Epilepsy,											1	1													
Erysipelas,								2																	
General tuberculosiis,																									
Inanition,								1																	
Involution psychosis,																									
Manic-depressive insanity,																									
Pellagra,																									
Senility,											1	1													
Septicæmia,																									
Diseases of the nervous system: —																									
Brain tumor,																									
Cerebral syphilis,																									
General paralysis of the insane,																									
Diseases of the circulatory system: —																									
Arteriosclerosis,																									
Cerebral hemorrhage,																									
Endocarditis,																									
Fatty degeneration of the heart,																									
Mycarditis,																									
Diseases of the respiratory system: —																									
Broncho pneumonia,																									
Lobar pneumonia,																									
Chronic fibroid phthisis,																									
Pulmonary tuberculosiis,																									
Diseases of the digestive system: —																									
Enteritis,																									
Peritonitis,																									
Tubercular enteritis,																									
Totals,	2	2	4	1	1	2	7	5	12	2	1	3	—	1	1	—	5	5	1	3	4	—	3	3	6

12. — Causes of Death and Form of Mental Disease in Persons who died — Concluded.

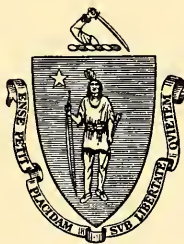
	MORPHINE HABIT.		ORGANIC BRAIN DISEASE.		ORGANIC DEMENTIA.		PARANOIA.		PARESIS.		PELLAGRA.		SENILE DEMENTIA.		TOTALS.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
General diseases:—																
Carcinoma of pancreas,															1	1
Carcinoma of stomach,															5	5
Carcinoma of uterus,															1	1
Chronic alcoholic insanity,															1	1
Epilepsy,															1	1
Erysipelas,															1	1
General tuberculosis,															4	4
Inanition,															1	1
Involution psychosis,															1	1
Manic-depressive insanity,															2	2
Pellagra,															2	2
Senility,															2	2
Septicæmia,															32	32
Diseases of the nervous system:—															1	1
Brain tumor,															1	1
Cerebral syphilis,															1	1
General paralysis of the insane,					2	1									2	2
Diseases of the circulatory system:—									13	1					13	14
Arteriosclerosis,					1	1									1	1
Cerebral hemorrhage,					5	5									6	15
Endocarditis,					1	1									1	2
Fatty degeneration of the heart,															1	1
Myocarditis,															2	2
Diseases of the respiratory system:—																
Broncho pneumonia,															1	1
Lobar pneumonia,															3	4
Chronic fibroid phthisis,															1	1
Pulmonary tuberculosis,															6	8
Diseases of the digestive system:—																
Enteritis,															1	1
Peritonitis,															1	1
Tubercular enteritis,															1	1
Totals,	1	1	1	1	8	8	1	1	13	1	1	1	23	24	60	56
					16	16			14				47	47	116	116

13. — Duration of Mental Disease and its Treatment in Patients recovered or died.

	FIRST ADMITTED TO ANY HOSPITAL.						ALL OTHER ADMISSIONS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Recoveries: —												
Under 1 month,	28	7	35	3	2	5	3	—	3	—	—	—
From 1 to 3 months,	1	2	3	7	6	13	7	6	13	1	—	1
3 to 6 months,	1	2	3	17	2	19	17	1	18	1	1	2
6 to 12 months,	—	2	2	—	3	3	—	5	5	1	2	3
1 to 2 years,	—	1	1	2	—	2	2	1	3	1	1	2
2 to 5 years,	—	—	—	1	—	1	1	—	1	—	1	1
5 to 10 years,	—	—	—	—	1	1	—	1	1	—	1	1
10 to 20 years,	—	—	—	—	—	—	—	—	—	—	—	—
Over 20 years,	—	—	—	—	—	—	—	—	—	—	—	—
Total,	30	14	44	30	14	44	30	14	44	4	5	9
Unknown,	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	30	14	44	30	14	44	30	14	44	4	5	9
Average of known cases (in months),	.32	2.71	1.08	4.28	9.28	5.86	4.61	12	6.96	5.25	14.1	9.72

[illegible]

FIFTY-NINTH ANNUAL REPORT
OF
THE TRUSTEES
OF THE
NORTHAMPTON STATE HOSPITAL,
FOR THE
YEAR ENDING NOVEMBER 30, 1914.



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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

HENRY L. WILLIAMS, <i>Chairman,</i>	<i>Northampton.</i>
CHARLES S. SHATTUCK,	.	.	.	.	.	<i>Hatfield.</i>
JOSEPH W. STEVENS, <i>Secretary,</i>	.	.	.	.	.	<i>Greenfield.</i>
EMILY N. NEWTON,	.	.	.	.	.	<i>Holyoke.</i>
CAROLINE A. YALE,	.	.	.	.	.	<i>Northampton.</i>
LUKE CORCORAN, M.D.,	.	.	.	.	.	<i>Springfield.</i>
JOHN McQUAID,	.	.	.	.	.	<i>Pittsfield.</i>

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,	.	.	<i>Superintendent.</i>
EDWARD C. GREENE, M.D.,	.	.	<i>Assistant Physician.</i>
B. ANGELA BOBER, M.D.,	.	.	<i>Assistant Physician.</i>
ARTHUR N. BALL, M.D.,	.	.	<i>Assistant Physician.</i>
GERALDINE OAKLEY, M.D.,	.	.	<i>Assistant Physician.</i>
JEAN MacLEAN, M.D.,	.	.	<i>Assistant Physician.</i>
HARRIET M. WHITNEY, M.D.,	.	.	<i>Physician to Out-patient Department.</i>
LEWIS F. BABBITT,	.	.	<i>Treasurer (office at the hospital).</i>
THOMAS H. BUTTERWORTH,	.	.	<i>Engineer.</i>
CARL W. HAMMOND,	.	.	<i>Farmer.</i>
SUSAN E. WARREN,	.	.	<i>Matron.</i>

The Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital present herewith the fifty-ninth annual report.

An appropriation was made by the Legislature for the maintenance of 900 patients for the fiscal year ending Nov. 30, 1914, but we have had to maintain a daily average number of 929 during this period. This has been possible only by the exercise of rigid economy and by postponing expenditures for much-needed purposes to the coming year.

Estimates for appropriations for the maintenance of patients are based on past experiences, and at best can be but approximate guesses. The number we have to estimate for is given us by the State Board of Insanity. This likewise is a guess of the number of patients we may have to maintain the coming year. As not infrequently happens, this guess is far enough from the number actually supported as to become a serious matter for the management of the hospital before the end of the year. If the number of patients supported is considerably larger than estimated and appropriated for, some provision should be made for the support of the excess in numbers, in fairness to the hospital and to the patients. An appropriation for contingencies under the control of the Auditor and the State Board of Insanity would probably meet the requirements of the situation.

We have estimated for the maintenance of a daily average of 920 patients for the coming year. These estimates are based on the expenditures for the past few years, except in two particulars. We shall need a larger appropriation for salaries, wages and labor, because we need at least ten more nurses to put our entire nursing force on a six days' service in each week, and shall also require an additional assistant physician. We shall need a larger appropriation for food, because we expect to main-

tain a larger number of people, and especially because the prices of such staple food products as flour, sugar and meats are higher than they were a year ago.

The affairs of the hospital have been well managed during the past year, and little to report has occurred beyond what will be found in the reports of the superintendent and the treasurer, except the damage by fire of one of our farm buildings. On the morning of January 10 fire was discovered in the ell of the main barn. Within a few minutes our employees, with the help of some of the patients, had several efficient streams of water playing on the fire. They held it in check, though the main barn was seriously threatened, till the Northampton fire department came to our assistance, when it was soon under control. We feel under great obligation to the city fire department for their help. Our own employees are deserving of great credit for their prompt response to the alarm and for their efficient work.

The estimated value of the part of the barn destroyed and its contents was about \$2,500. The origin of the fire could not be learned. Repairs have been made entirely by our own employees, except the slating of the roof.

Special appropriations were made by the Legislature of 1914 as follows:—

For the construction of a stable for the farm horses and the repair of the barn that was damaged by fire, the sum of \$9,000; for the purchase of fire pumps and the erection of a pump house, the sum of \$4,000; to provide for the extension of the corridor between the infirmary for women and the main building and for an addition to the first hall for women, \$8,000.

Work on these buildings is well under way. The walls and roof of the stable have been completed; the pump house has been built, the pumps have been placed in position and will soon be ready for use; the foundations for the additions to the women's wards are in place, and much of the material for the completion of these has been purchased and delivered.

The fire in our barn, occurring as it did in midwinter, demonstrated the need of a tower where fire hose, after use, whether at a fire or at fire drill, can be properly dried. The only place where this could be done last winter was in one of the chambers in the basement, where the air coming from outside is heated

for the wards above. This is a very unsuitable place for such a purpose, partly because the hose requires so long a time to thaw and dry, inasmuch as it has to lie stretched out horizontally and hence cannot drain readily, and partly because in this place it is so inaccessible in case of need. It seems advisable that we have a tower for such purposes, and, in connection with this, a house for the hose wagons and for the ladder truck, to make them available for instant use. With the approval of the State Board of Insanity, we have had plans for such a building made and estimates of the cost submitted, and shall ask the Legislature of 1915 for a special appropriation of \$4,000 for this purpose.

We renew our request for a special appropriation of \$20,000 for the purchase of land for the purpose of establishing a colony or branch institution in order to relieve our overcrowded condition." Your attention is respectfully called to what was said about this matter in our last annual report. The increase in admissions of patients and in the numbers maintained has continued. Since the last building at this institution for the care of patients was finished and occupied, in 1905, the State Board of Insanity has transferred to the asylums at Worcester, Medfield and Gardner more than 500 patients, 61 in the year just ended. To be sent to these asylums is a hardship to patients and relatives, because they are farther from their homes in all but a few cases than they were at Northampton.

Such a branch institution as we have recommended would care for them much nearer their homes and fully as economically as in the asylums mentioned. We realize that to undertake this will mean increased work and responsibility; it is much easier for us to allow the State Board of Insanity to relieve our overcrowded condition by frequent transfers, but believing the establishment of a colony somewhere in Berkshire County to be best for the citizens of the four western counties and for the patients of the district, we are willing to undertake this project if it meets the approval of the State Board of Insanity and is authorized by the Legislature.

We call your attention to our insufficient accommodations for employees, and the urgent need of more room for both office work and for sleeping accommodations for officers, nurses, domestic help and farm help. We have had no increase in the

number of rooms available for sleeping quarters for employees since the nurses' homes (which are in reality the upper floors of each of the infirmary buildings) were opened in 1904 and 1905. Our force of employees, at that time about 140, has increased to 180, with the prospect of further increase in the near future. We have not room enough for either class of employees. For every additional nurse that comes a room must be taken that is now occupied by a patient. We have not room enough for sleeping quarters for our physicians and officers nor working space in the offices for clerks and stenographers. We have called the attention of the State Board of Insanity to these needs, but have been advised by the Board not to request an appropriation for this purpose this year.

There have been several changes in our medical staff during the past year. On May 1, 1914, Dr. Dean resigned to engage in private practice after a faithful service of fourteen years. Dr. Edward C. Greene was appointed first assistant in his place, and entered our service June 9, 1914. He had previously had seven years' experience at the Pontiac, Mich., State Hospital and three years at the Norfolk State Hospital. Dr. Charles E. Perry resigned in June to accept the position of superintendent of the recently established Hampshire County Sanitarium. On June 1, 1914, Dr. Jean MacLean, who served here several months in the summer of 1912, and again in the summer of 1913, was appointed to a position on the staff.

We have met as a Board at the hospital every month to inspect the institution and to transact whatever business should come before the Board. Many informal visits to the hospital have been made by individual members of the Board. Since August we have appointed a committee of two to make a visit between our regular monthly meetings in order to comply with changes in the laws enacted by the Legislature of 1912.

HENRY L. WILLIAMS.
CHARLES S. SHATTUCK.
JOSEPH W. STEVENS.
EMILY N. NEWTON.
CAROLINE A. YALE.
LUKE CORCORAN, M.D.
JOHN McQUAID.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

The following report of the affairs of the hospital is respectfully submitted. The statistics concerning patients are for the year ending Sept. 30, 1914; all other matters are for the fiscal year ending Nov. 30, 1914.

On Oct. 1, 1913, there were 909 patients under our care; 403 were admitted during the following year; 45, who were out on trial visit at the beginning of the year, were nominally admitted for discharge; 415 were dismissed or died; 942 remained at the end of the year.

The whole number under treatment was 1,312, 29 more than in the previous year. The daily average number cared for, 932, was 39 larger than in 1913. The largest number on any one day was 952.

Sixty-eight cases were admitted under the temporary care act. Of these, 59 were regularly committed, 8 were discharged before the expiration of seven days, and 1 remained in the hospital at the end of the year, the seven-day period not having expired.

Eighteen of the patients admitted were voluntary cases, 4 of whom had been patients here previously. Seven of them were not insane. Of the others, 4 were discharged to be regularly committed.

As usual a much larger number came from cities and large towns than from rural communities. Districts near the hospital send a relatively larger number of patients than districts farther away. The figures for the present year agree closely with those in past years. Of the admissions, Hampshire County sent 1 in every 977 of its estimated population; Hampden County, 1 in every 1,172; Franklin County, 1 in 1,249; and Berkshire County, 1 in 1,543.

The most frequent causes of insanity in those admitted were congenital defect, intemperance, senility, heredity, arteriosclerosis and syphilis.

A large proportion of the admitted cases, 249 in number,

were of forms of insanity unfavorable for recovery, — cases of organic brain disease, epilepsy, paresis, senility and mental deficiency.

The average age of all patients admitted was 43.37 years.

Of the patients who were dismissed, 61 were transferred by the State Board of Insanity to asylums in the eastern part of the State, to relieve our overcrowded condition; 32 were discharged as recovered; 38, as capable of self-support; 43, as improved; 40, as unimproved.

Ninety-six patients died during the year, 7.3 per cent. of all cases under our care, being a low death rate for such an institution. Only 3 of these had an acute form of mental disease. The principal causes of death were apoplexy in 23 cases; senility in 22 cases; paresis in 6 cases; endocarditis in 5 cases; tuberculosis in 4 cases; organic brain disease in 4 cases. Old age, with its attendant diseases, was the cause of the largest number of deaths. The average age of those who died was sixty-two years. Fifty-five of those who died, 57 per cent., were over sixty years of age; 15 were over eighty years of age.

One patient died of pellagra, making six of our cases in the past four years who have had this disease.

By a very satisfactory provision of law, chapter 505, section 75, Acts of 1909, we may release patients who are not fully recovered, but whose recovery might be promoted under another environment. Such patients may remain away from the hospital on probation for a period of six months if advisable. By frequent reports to the hospital of the patient's condition, and in some cases by personal interviews, it can be judged whether full discharge is warranted, or whether a return to the hospital is advisable.

Under the provisions of this act we released 180 patients the past year to the care of their relatives or friends, of which number 77 were discharged at the end of the probation period, 25 were returned to the hospital for further care and treatment, and 78 were still out on probation at the end of the year.

The out-patient and after-care service, begun in a moderate way several years ago, mentioned more specifically in our report of 1910, and formally undertaken in 1911 by the employment of an assistant to give special attention to this service, has devel-

oped beyond our first expectations. The more we do, the more we find to do. Physicians, social workers and relatives have asked Dr. Whitney, our assistant, to see a larger number of patients not inmates of the hospital than ever before. This is in addition to her regular duties, namely, the selection of homes where patients may be placed in family care; the placing of such patients in families and their supervision while away from the hospital; the visiting of patients who are away on probation; the investigation of home conditions with a view to the release on probation of patients not fully recovered; the visiting of patients who have been discharged, to encourage them and in some cases to help them secure employment; the calling on relatives of patients who are still in the hospital, to acquaint them of the patient's condition, a service much appreciated by the relatives; the investigation of the history of recently committed patients, and kindred service.

There were 35 patients cared for in private families during the past year. To one unacquainted with the difficulties connected with this work, it might seem possible to care for a larger number than this. These difficulties are the selection of patients suited to family care, and the finding of homes where we are willing to place them. The majority of patients who could get along well in family care, and who would be benefited thereby, have homes of their own where they are welcome as soon as they are able to leave the hospital. Not infrequently patients who have been selected have refused to leave the hospital. We had four such cases during the past year; one woman purposely made herself so disagreeable to the woman with whom she was boarding that we had to yield to her wishes to return to the hospital; two patients who were thought suitable, because of their hospital record, became much disturbed when preparations were being made for their leaving the hospital, one becoming physically ill and not having yet sufficiently recovered to leave the hospital; one had a cerebral hemorrhage on the train while going to the boarding place and had to be brought back to the hospital. Many of the cases, who would otherwise be quite suitable for care in private homes, are too old. They require so much personal attention that no one will take them at the rate of board we may pay.

Of the homes that were found willing to receive patients, three were desirable, but the caretakers asked for patients who could pay from \$5 to \$25 per week. Several places were rejected for various reasons: because of the untidy condition of the house; because of immoral conditions existing in the family; because of the presence of other boarders; and because of their distance from the hospital or from other boarding places, which would greatly increase the expense of visiting patients placed in them.

We have recently extended this service with the hope of making the hospital more useful to the district it serves by establishing free clinics in Greenfield, Springfield and Pittsfield, with the encouragement of the State Board of Insanity. The managers of the Franklin County Hospital in Greenfield and of the House of Mercy in Pittsfield have invited us to make use of rooms in their hospitals for this purpose, and the superintendents of these hospitals, Miss Sweeney and Miss Marcy, have been very helpful to us. At Springfield we have been granted the use of the house of the Springfield Academy of Medicine. Physicians in the vicinity of these places have expressed their approval of our undertaking, and have accorded us hearty co-operation.

These clinics have been freely attended by persons who come of their own accord or with relatives or physicians; by patients out on parole, who have come to them to report their condition; and by relatives of patients in the hospital, who have come to make inquiries about them. We have been able to give advice in several cases that has obviated the necessity of the patient's being committed to the hospital.

In a few cases we have advised voluntary commitment to the hospital for a short period of treatment, and this has been followed. Some cases who come to discuss their symptoms seem relieved and encouraged after having told all about themselves to "some one who understands." Not the least benefit is the comfort and satisfaction of relatives in hearing directly about their patient at the hospital from one who has the care of the patient, and a more cordial feeling toward the hospital is thus engendered.

Our experience has demonstrated the urgent need of provision

for segregating the defective delinquents, so called. The opposition on the part of the law-making bodies to making such provision is because of the expense involved, but economy is not the withholding of necessary expenditure. To maintain the defective delinquents in segregation is far more economical than to support them at liberty, with the added care of the offspring with which they burden the State.

Within a few weeks Dr. Whitney and myself have been consulted with reference to eight patients of this type, six being girls between the ages of fifteen and twenty-three. All of these admitted having maintained immoral relations with men; two had each borne one illegitimate child; one had borne two; another was about to become a mother. Another girl of 23, who was a patient at this hospital four years ago, has given birth since leaving here to two illegitimate children and is about to give birth to a third.

These girls are manifestly defective and need institution care, but there is not room for them at the schools for feeble-minded at present, even if they could be sent there, and the physicians who have seen them are not willing to certify that they are insane, yet declaring that they should be placed in some institution.

We have added to our corps of officers a dietitian, Miss Euphemia Cameron, whose duties in brief are, as her title implies, to supervise the dietaries. By rearranging them so that they are changed each week, no one, patient or employee, now knows what is to be the bill of fare for the day; and by suggesting new combinations, the same foodstuffs give better satisfaction than before. An important part of her duties is to supervise the distribution of the food in the dining rooms and to teach the nurses to keep a watchful oversight of the waste. She, also, as a part of her duties, is to give instructions to the nurses in cooking for invalids.

The year has been filled with many and varied activities.

A cement walk has been laid from the front door to the little gate at the entrance to the grounds, a distance of 1,425 feet. The lines of the old walk were straightened and a better grade was established. The work of excavating, grading and mixing the cement was done by patients, and several of them, who

have become quite skillful in cement work, aided in leveling and surfacing the walk. A dam of cement was built at the ice pond, to control the stream supplying the pond so that it could be diverted in time of freshet, thus preventing gravel from overflowing the ice, as has frequently happened in former years, making much extra work.

The ell of the barn damaged by fire has been repaired.

The grading and foundations for the fire pump house and for the new stable were done largely by patients, and thereby the cost of erection was considerably reduced.

A third Heine boiler was installed early in the year.

A new 14-inch steam pipe was put in place from the boilers to the distributing head in the old laundry, replacing the old one, which was too small.

The old lighting fixtures on the first and second halls on the south wing have been replaced by fixtures near the ceiling equipped with tungsten lamps, providing better lighting of the halls, with a smaller consumption of current.

The old fire pump in the engine room, which had become so worn as to be useless as a fire pump, and which latterly was used to fill the pressure tank for food elevator service, was replaced with a more modern pump, and a new pressure tank was installed in place of the old one, which had deteriorated to the point of being dangerous.

A new 6-inch steam main to the fire pumps, 320 feet in length, was laid.

Extra radiators were placed in several halls which were found rather difficult to heat in extremely cold weather.

A new 4-inch pipe-cutting machine was installed in the machine shop.

Extensive repairs and alterations have been made in the brick house where the engineer lives, in the house at the gate, remodeled for the first assistant physician and his family, and in the brick house on the lot on Earle Street, made over for the use of the storekeeper.

The iron fence on each side of the highway that bounds the hospital grounds for a length of 6,617 feet was scraped of rust and repainted.

Much painting has been done on the wards, and many bedsteads have been repainted.

In all these operations the patients have taken an active part. They are glad to help, not only for the joy of accomplishing something useful, but because it is a pleasure to be where something is going on and to be with sane people. Every year it has been our experience that recovery in convalescent patients has been promoted by such activities and associations. As a part of their treatment they have also been employed in all the departments of the hospital to their individual advantage, and also to the welfare of all the patients as a body. As frequently mentioned in former reports, they help in the wards, dining rooms, kitchens, bakery, laundry, sewing and mending rooms, at the shops, with carpenters, painters, electricians and mechanics, at the barns, on the farm, and in the gardens. They made all the mattresses, brooms and tinware used here, many of the garments and much of the bedding.

To teach and encourage patients who cannot engage in the routine work, we have had two instructors in industries. These industries include basketry, knitting, crocheting, rug making, and the like. The classes have been held in the former "gymnasium," now rechristened the industrial room. Not all that goes on there is work, however, for play enters into the scheme, and certain hours are devoted to games. One of the teachers devotes considerable time also to teaching nurses and patients on the wards.

A sewing circle was formed by some of the officers and patients, who have met once a week in the afternoon for a little work, a little gossip and a little tea, like sewing circles elsewhere.

Occupation is generally recognized as a potent means of treatment of mental diseases; no less useful are amusements and entertainments. Assemblies of patients were held as follows: on December 1, a vocal recital by Miss Margaret Woods; December 25, a Christmas tree and concert; January 3, play by hospital employees; March 13, "The Deacon's Second Wife," by the young people of North Hadley; April 17, music and legerdemain by Mr. Harrell; April 22, play by young people of the Edwards Church; September 14, musical by the Misses Woods; October 19, music and readings by Mr. Paine and Mr. Morris; October 30, Hallowe'en party; November 19, Warren Richards, humorist.

Besides these there were motion pictures on 25 evenings; dancing on 22 evenings; readings by some member of the staff on 18 evenings; a graphophone concert on 1 evening.

During the warm months of the year baseball games were played once or twice a week, and picnics for some of the patients were occasionally held. During the winter months coasting parties and card parties were of frequent occurrence.

We have a good library, from which about 1,500 books were taken, and many magazines are subscribed for by the hospital in addition to many that come to individual patients.

Religious services have been held every Lord's Day, — for Catholic patients in the morning and for Protestants in the afternoon. These services are well attended and are much appreciated by the patients. The singing at these services is by a choir of officers and patients.

Friends of the patients and of the hospital often send gifts to make the life of the patients more cheerful. We are indebted to the following persons for their thoughtfulness, and take this occasion to express our gratitude: to Mrs. Crossin of Pittsfield, Mrs. Parker of Northampton and Mrs. Egbert of Springfield for gifts and money for the Christmas tree; to Mrs. C. E. Williams, Mr. E. H. Amidon, Mr. D. J. Simison, Mr. O'Brien, Mr. Abbott, Mrs. E. S. Ross, Mrs. B. Douglas, Mrs. Louis Graves, Miss Gorham, Miss Helen F. Maynard and Messrs. Bridgman and Lyman for books and magazines; to a friend for six books for the library.

"The Christian Science Monitor," "Greenfield Recorder," "Dumb Animals," "Christian Register" and "The Healthy Home Quarterly" have been regularly received. We thank the publishers for so thoughtfully sending copies of their publications, which are well liked by our patients.

JOHN A. HOUSTON,

Superintendent.

ARTICLES MADE IN SEWING ROOM.

Aprons,	549	Napkins, hemmed,	312
Aprons, kimono,	15	Nightgowns,	1,079
Bathrobes,	31	Nightdresses for baby,	3
Binders,	63	Pads,	28
Bloomers,	15	Pads for baby,	2
Bureau covers,	312	Petticoats,	113
Caps,	399	Petticoats for baby,	4
Chemises,	39	Pillow cases,	1,440
Clothes bags,	80	Pillow ticks,	89
Coats altered,	8	Rugs bound,	131
Combination garments,	3	Sausage bags,	4
Corset covers,	150	Separator covers,	8
Covers for machines,	3	Sheets,	1,852
Curtains, shade,	139	Shirts,	1,013
Curtains, sash,	89	Shirt waists,	40
Curtains, muslin,	20	Skirts, dress,	15
Curtains, hemmed,	28	Skirts altered,	27
Curtains, screen,	37	Sofa pillow tops,	2
Cushions,	6	Stand covers,	322
Cushions covered,	2	Sterilizing squares,	24
Diapers,	48	Strainers, lard,	8
Drawers,	129	Suit altered,	1
Dresses,	301	Tablecloths,	172
Dresses for baby,	6	Towels,	6,491
Dresses altered,	51	Tray cloths,	397
Extractor covers,	12	Trousers altered,	92
Holder,	387	Vests altered,	4
Laundry bags,	129	Waists altered,	3
Mattress ticks,	41	Articles repaired,	43,120
Milk cloths,	108		

PRESERVING DONE IN KITCHEN DEPARTMENT.

Blueberries, quarts,	250	Plumbs, quarts,	160
Brandied fruit, quarts,	8	Quince, quarts,	40
Cherries, quarts,	40	Quince jelly, glasses,	20
Citron, quarts,	30	Rhubarb, quarts,	185
Citron sweet pickle, quarts,	14	Raspberries, quarts,	35
Chili sauce, gallons,	16	Raspberry jelly, glasses,	30
Currant jelly, glasses,	135	Strawberries, quarts,	95
Currant jelly, quarts,	16	Tomatoes, quarts,	496
Crab apple jelly, glasses,	125	Tomato chopped pickles, gal-	
Gooseberries, quarts,	41	lons,	72
Grape jelly, glasses,	73	Pepper hash, quarts,	30
Grape juice, quarts,	12	Canned red peppers, quarts,	2
Mustard pickle, quarts,	24	Cucumbers, salted, barrels,	2
Peaches, quarts,	73	Cucumbers, pickled, barrels,	1½

WORK DONE IN INDUSTRIES DEPARTMENT.

Hair mattresses made, old hair, new ticks,	12
Hair mattresses made, old hair, old ticks,	807
Hair pillows made, new material,	2
Hair pillows made, old hair, new ticks,	50
Hair pillows made, old hair, old ticks,	303
Feather pillows made, old ticks,	39
Shoes soled, pairs,	391
Shoes heeled, pairs,	428
Brooms made,	248
Whisk brooms made,	66
Chairs caned,	46
Baskets made,	76

OFFICERS AND EMPLOYEES.

[Period of service, Nov. 30, 1914.]

NAMES.	Years.	Months.	Days.
John A. Houston, M.D., superintendent,	25	2	7
Edward C. Greene, M.D., assistant physician,	—	5	21
B. Angela Bober, M.D., assistant physician,	3	2	2
Harriet W. Whitney, M.D., assistant physician,	15	8	17
Arthur N. Ball, M.D., assistant physician,	2	2	—
Geraldine Oakley, M.D., assistant physician,	1	2	15
Jean MacLean, M.D., assistant physician,	—	5	29
Louis F. Babbitt, treasurer,	23	1	18
Burtcn G. Fiske, supervisor,	11	1	15
Alice E. Bedell, superintendent of nurses,	12	3	20
Susan E. Warren, matron,	20	8	8
Jane Dolan, secretary to superintendent,	—	7	10
Euphemia Cameron, dietitian,	—	8	6
Carl W. Hammond, farmer,	4	9	—
William J. Moore, steward,	18	1	13
Ord Thomas, assistant steward,	5	2	9
Frank L. Bardwell, assistant steward,	1	7	23
Rachel C. Packard, stenographer,	5	7	—
Eva L. Graves, stenographer,	—	8	18
Lucy Kimball, stenographer,	—	1	11
Susan E. Norton, clothes marker,	6	7	29
Leon E. Bruce,	9	5	4
Arthur L. Hubby, assistant baker,	3	10	23
George W. Thorniley, florist,	21	7	11
Thomas Butterworth, engineer,	7	—	17
William Day, assistant engineer,	16	7	29
Isaac Fisk, assistant engineer,	5	8	24
Floyd Newell, assistant engineer,	—	10	17
Francis Pond, assistant engineer,	6	4	5
Grover Wentzel, assistant engineer,	5	—	2
Samuel Clark, fireman,	1	—	15
Jay E. Cook, fireman,	—	6	5
Tefield Lucier, fireman,	3	1	—
Grace Thomas, seamstress,	2	—	13
Margaret Tcbin, seamstress,	3	8	23
Addie Wood, seamstress,	4	7	20
Charles E. Williams, laundryman,	17	2	29
George Begor, assistant laundryman,	7	2	9
Georgianna Allaire, laundress,	—	1	27
Ellen Moore, laundress,	8	5	2
Ella Oakes, laundress,	—	5	29
Catherine Shea, laundress,	—	4	23
Hattie Tyler, laundress,	—	6	26

NAMES.	Years.	Months.	Days.
Mary Wright, laundress,	—	9	14
Emma Billings, usher,	3	10	7
Mae Stetson, usher,	—	1	22
Alice Campbell, housemaid,	2	5	12
Jennie Ferguson, housemaid,	1	2	26
B. May LaFleur, housemaid,	—	1	24
Jennie McCloud, housemaid,	—	2	29
Stella Nelson, housemaid,	—	6	7
Mary Murphy, center dining room,	1	7	3
Josephine O'Neil, center dining room,	1	6	21
Agnes Cerivonka, kitchen maid,	—	11	11
Katherine Prosciak, kitchen maid,	1	10	15
Victoria Ridgeck, kitchen maid,	2	3	2
Mary Shea, kitchen maid,	—	9	5
Anna Thomas, kitchen maid,	—	9	20
Margaret Recal, kitchen maid,	—	—	10
Frank Bardwell, kitchen,	1	1	3
Frank W. Stetson, kitchen,	—	1	22
Dennis Tyler, kitchen,	—	1	4
Josie Hurd, cook,	4	7	8
Katherine Ridgeck, cook,	2	6	22
Fred Aldrich, nurse,	14	11	18
Alec Anderson, nurse,	—	4	5
Alexander Beaton, nurse,	9	4	14
Veit Bergmann, nurse,	—	6	1
David L. Bowe, nurse,	1	7	17
George M. Clark, nurse,	2	8	9
Amos Demers, nurse,	—	2	15
Gustav Dill, nurse,	—	6	9
Edward Donnelly, nurse,	—	3	22
Leroy Ducharme, nurse,	—	1	14
Charles Dutcher, nurse,	—	1	15
J. Everett Ford, nurse,	1	5	21
John C. Fox, nurse,	—	1	16
William F. Gay, nurse,	3	6	30
John B. Griffin, nurse,	—	1	24
Axel Gustafson, nurse,	4	6	30
Charles Hannum, nurse,	—	7	20
Matthew Hudson, nurse,	3	6	17
James Joy, nurse,	2	11	4
George H. King, nurse,	1	6	16
Robert Kinney, nurse,	3	2	20
John Laughlin, nurse,	—	6	20
Charles Lyons, nurse,	—	1	9
James McCaffrey, nurse,	—	3	19
Michael McCaffrey, nurse,	5	—	2
James McAuley, nurse,	—	6	22
Jack MacLean, nurse,	—	5	25
John McGough, nurse,	—	8	23
William L. McCrillis, nurse,	—	2	20
James O'Donnell, nurse,	—	2	8
John O'Donnell, nurse,	—	6	15

NAMES.	Years.	Months.	Days.
Charles M. Pease, nurse,	8	6	6
Fred Pierce, nurse,	1	3	—
Lawrence Robar, nurse,	—	2	20
Leigh Stewart, nurse,	1	1	1
Stanley Stewart, nurse,	1	1	1
Harry Sthal, nurse,	—	4	5
Lawrence Tierney, nurse,	1	7	12
Frank S. Tripp, nurse,	—	6	16
William A. Wood, nurse,	3	7	12
L. Elmer Palmer, nurse,	1	3	13
Patrick Kennedy, nurse,	—	—	26
Chester Clement, nurse,	—	—	20
Lewis Warren, nurse,	—	—	17
John Martin, nurse,	—	—	7
Herbert Collier, nurse,	—	—	6
Goldie Bickford, nurse,	6	2	—
Lena Burns, nurse,	—	5	12
Mary Churchill, nurse,	—	6	8
Mary G. Davis, nurse,	1	1	20
Alice Deslauriers, nurse,	—	2	19
Clara Deslauriers, nurse,	1	6	4
Elizabeth Dutcher, nurse,	—	1	15
Marion F. Ellis, nurse,	—	1	22
Isabel Ferguson, nurse,	1	2	1
Nellie Fitzgerald, nurse,	—	5	28
Charlotte Hall, nurse,	—	2	13
Ellen Hagerty, nurse,	—	2	29
Margaret Hagerty, nurse,	—	2	29
Sybil Hallock, nurse,	—	3	15
Florrie Horton, nurse,	2	—	24
Jessie Jones, nurse,	—	1	16
Blanche MacLean, nurse,	1	1	18
Marion MacKay, nurse,	2	4	26
Effie Mahy, nurse,	10	4	24
Nellie Marshall, nurse,	—	1	23
Catherine Parker, nurse,	—	7	—
Mary Roche, nurse,	—	5	22
Sadie Sharpe, nurse,	1	4	17
Olive P. Slater, nurse,	—	2	15
Bess Stingel, nurse,	—	9	18
Gwendolyn Stingel, nurse,	—	8	18
Lillian Stewart, nurse,	—	1	15
Martha Stewart, nurse,	—	1	15
Flora Tripp, nurse,	—	6	17
Mary Walsh, nurse,	1	1	16
Mabel Wood, nurse,	7	1	18
Annie Palmer, nurse,	2	1	22
Stella Perry, nurse,	—	—	29
Mariam Clement, nurse,	—	—	20
Ruth E. Bates, nurse,	—	—	19
Elizabeth Smith, nurse,	—	—	7
Mabel Bond, nurse,	—	—	29

NAMES.	Years.	Months.	Days.
Edith Yarranton, nurse,	—	—	2
John J. Bradley, laborer,	6	6	18
Thomas P. Clair, plumber,	16	7	—
Albert DeGrandpre, carpenter,	9	10	—
Ernest Holmes, painter,	—	7	4
William LaSalle, carpenter,	3	10	2
Arthur Lee, painter,	3	6	10
Henry Maynard, carpenter,	6	5	22
Roscoe Tobin, plumber,	12	—	28
Walter M. Tower, carpenter,	36	10	—
David R. Burns, farmer,	—	9	14
George Burt, farmer,	—	7	8
Herbert Clark, farmer,	1	5	—
James Denny, farmer,	6	1	24
Xavier Dion, farmer,	21	5	16
Jake Drozdial, farmer,	—	7	9
Steve Ghlenok, farmer,	—	8	15
Frank Hurd, farmer,	5	5	10
Fred Kempker, farmer,	3	7	—
Paul Maynard, farmer,	1	11	16
David Mercier, coachman,	37	9	13
William O'Hare, farmer,	—	4	20
Alfred Owen, farmer,	5	9	13
Martin Ridgeck, farmer,	—	5	28
Frank Sanborn, farmer,	7	6	22
Frank Smith, farmer,	3	8	10
John Smith, farmer,	—	7	25
Walter Streeter, herdsman,	11	3	1
Howard Tyler, farmer,	1	7	15
James Tyler, farmer,	—	8	6
Charles Ulrich, farmer,	—	6	18
Joseph Young, farmer,	—	7	2

FARM PRODUCTS.

Apples, 352 barrels,	\$704 00
Apples, crab, 3 barrels,	2 45
Asparagus, 3,852 boxes,	428 00
Beans, shell, 184 bushels,	156 40
Beans, Lima, improved, 116 bushels,	185 60
Beans, string, 276½ bushels,	235 03
Beef, cow, 6,889 pounds,	620 01
Beef, steer, 11,836 pounds,	1,479 50
Beets, 268½ bushels,	161 10
Beet greens, 135½ bushels,	54 20
Broilers, 406 pounds,	109 62
Broom brush and seed, 4,550 pounds,	364 00
Brussels sprouts, 400 quarts,	44 00
Cabbage, 24 tons,	312 00
Carrots, 175 bushels,	105 00
Cauliflower, 52 boxes,	28 60
Celery, 273 boxes,	204 75
Chard, 19½ bushels,	7 80
Cherries, 612 quarts,	73 44
Chickens, 1,053½ pounds,	252 84
Cider, 602 gallons,	90 30
Citron, 1,500 pounds,	15 00
Corn, green, 526½ bushels,	315 90
Cucumbers, 207 boxes,	207 00
Cucumber pickles, 16½ bushels,	23 10
Currants, 610 quarts,	30 50
Eggs, 2,534½ dozens,	633 63
Egg plant, 16 barrels,	60 00
Fodder, ensilage, 520 tons,	2,600 00
Fodder, green corn, 104 tons,	520 00
Fowl, 591½ pounds,	100 56
Gooseberries, 804 quarts,	80 40
Grapes, 256 pounds,	10 24
Hay, first crop, 354 tons,	7,345 50
Hay, second crop, 41 tons,	410 00
Ice, 952 tons,	2,856 00

Amount carried forward, \$20,826 47

<i>Amount brought forward,</i>	\$20,826 47
Lettuce, 594 boxes,	148 50
Lumber, 6,500 feet,	162 50
Mangel-wurzel, 243 bushels,	60 75
Manure, 375 cords,	2,250 00
Milk, 308,463 quarts,	17,479 57
Mint, 16 bushels,	6 40
Muskmelons, 280 crates,	280 00
Onions, 332 bushels,	199 20
Parsley, 11 bushels,	3 85
Parsnips, 230 bushels,	149 50
Pears, 5 bushels,	3 75
Peas, 63½ bushels,	127 00
Peppers, 21 bushels,	10 50
Plums, 448 quarts,	14 00
Pork, 37,824 pounds,	4,538 88
Potatoes, 3,750 bushels,	2,062 50
Pumpkins, 3,975 pounds,	59 63
Quinces, 3½ bushels,	6 13
Radishes, 206 dozen bunches,	82 40
Raspberries, 171 quarts,	30 78
Rhubarb, 16,150 pounds,	161 50
Rye, unthreshed, 7½ tons,	153 75
Salsify, 17 bushels,	18 70
Spinach, 442 bushels,	154 70
Squash, summer, 97 barrels,	58 20
Squash, winter, 29 tons,	580 00
Strawberries, 4,725 quarts,	567 00
Tomatoes, green or ripe, 513 bushels,	513 00
Turnips, 543 bushels,	543 00
Watermelons, 12,028 pounds,	150 30
Wood, 41 cords,	164 00
Sales: —	
Cows and calves,	412 00
Hides,	352 64
Pigs and hogs,	34 00
Vegetables,	50
Sundries,	237 24
Total farm product,	\$52,602 84

VALUATION.

REAL ESTATE.

Grounds and building sites, 23 acres, . . .	\$4,861 20
Woodland, 93 acres,	19,655 55
Mowing, 110 acres,	23,248 50
Pasturage, 185 acres,	39,099 75
Tillage, 100 acres,	21,135 00
Hospital building,	616,619 00
Farmhouse,	2,000 00
Brick house,	2,000 00
Three dwellings,	5,500 00
Cold storage,	30,000 00
Two barns,	5,500 00
Cow stable,	13,000 00
Horse stable,	6,000 00
Lumber shed,	850 00
Piggery,	3,000 00
Cart shed,	400 00
Pump house,	400 00
Paint shop,	2,039 00
Laundry,	40,353 00
Cook house and barn,	2,500 00
Bradley house,	1,000 00
Burnett house,	1,700 00
Total real estate,	<hr/> \$840,861 00

PERSONAL ESTATE.

Food,	\$8,581 17
Clothing,	5,567 67
Furnishings,	40,617 98
Heat, light and power,	5,208 21
Repairs and improvements,	5,049 13
Farm, stable and grounds,	44,621 32
Miscellaneous,	2,960 01
	<hr/> \$112,605 49

STATEMENT OF FUNDS.

On hand, Nov. 30, 1913,	\$2,837 76	
Receipts,	1,961 96	
	<hr/>	\$4,799 72
Refunded,		1,974 11
		<hr/>
Balance on hand Nov. 30, 1914,		\$2,825 61

Fred B. Kelly Fund.

Balance, Nov. 30, 1913,	\$759 30	
Income,	13 94	
	<hr/>	\$773 24
Expended for tobacco,		104 68
		<hr/>
Balance on hand Nov. 30, 1914, in the Northampton Institution of Savings,		\$668 56

TREASURER'S REPORT.

To the Trustees of the Northampton State Hospital.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1914: —

CASH ACCOUNT.

Balance Dec. 1, 1913,		\$4,650 04
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Receipts.

Institution Receipts.

Board of inmates: —

Private,	\$35,239 35	
Reimbursements, insane,	14,287 10	
		\$49,526 45

Sales: —

Food,	\$289 08	
Clothing and materials,	301 85	
Furnishings,	2 00	
Heat, light and power,	95	
Miscellaneous,	221 47	

Farm, stable and grounds: —

Cows and calves,	\$412 00	
Pigs and hogs,	34 00	
Hides,	352 64	
Vegetables,	50	
Sundries,	237 24	
	1,036 38	

1,851 73

Miscellaneous receipts: —

Interest on bank balances,	\$150 25	
Rent,	37 50	
Sundries,	18 51	
	206 26	

51,584 44

Wages refunded on account of 1913 expenses,		2 58
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Receipts from Treasury of Commonwealth.

Maintenance appropriations: —

Balance of 1913,	\$5,394 92	
Advance money (amount on hand November 30),	6,000 00	
Approved schedules of 1914,	\$181,516 32	
Less returned,	16 43	
	181,499 89	

192,894 81

Special appropriations,		15,242 03
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Total,		\$264,373 90
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Payments.

To treasury of Commonwealth:—

Institution receipts,	\$51,584 44
Refund account 1913 expenses,	2 58

Maintenance appropriations:—

Balance November schedule, 1913,	\$10,044 96
Eleven months' schedules, 1914,	181,499 89
November advances,	4,021 85
	<hr/>
	195,566 70

Special appropriations:—

Approved schedules,	\$15,242 03
November advances,	39 27
	<hr/>
	15,281 30

Balance, Nov. 30, 1914:—

In bank,	\$22 78
In office,	1,916 10
	<hr/>
	1,938 88

Total,	<hr/>	\$264,373 90
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MAINTENANCE.

Unexpended balance, 1911, 1912, 1913, brought

forward,	\$1,818 50
Appropriation,	196,800 00
	<hr/>
	\$198,618 50
Expenses as analyzed below,	198,465 98
	<hr/>
Balance reverting to treasury of Commonwealth,	\$152 52

Analysis of Expenses.

Salaries, wages and labor:—

J. A. Houston, M.D., superintendent,	\$3,000 00
General administration,	21,953 12
Medical service,	5,881 98
Ward service (male),	18,772 88
Ward service (female),	14,240 92
Repairs and improvements,	7,378 24
Farm, stable and grounds,	10,157 38
	<hr/>
	\$81,384 52

Food:—

Butter,	\$5,047 96
Butterine,	1,508 40
Beans,	608 36
Bread and crackers,	417 88
Cereals, rice, meal, etc.,	1,076 21
Cheese,	463 71
Eggs,	6,569 25
Flour,	4,488 65
Fish,	2,876 32
Fruit (dried and fresh),	3,197 14
Lard,	912 97
Meats,	17,230 61
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<i>Amounts carried forward,</i>	<hr/>	\$44,397 46	\$81,384 52
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<i>Amounts brought forward,</i>	\$44,397 46	\$81,384 52
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Food — Concluded.

Molasses and syrup,	382 19	
Spices, seasonings, salt, etc.,	153 32	
Sugar,	.	.	.	.	3,526 80	
Tea, coffee, broma and cocoa,	.	.	.	.	2,484 83	
Vegetables,	.	.	.	.	1,566 52	
Yeast,	.	.	.	.	272 75	
Sundries,	.	.	.	.	1,544 80	
					<hr/>	54,328 67

Clothing and materials: —

Boots, shoes and rubbers,	.	.	.	.	\$1,059 44	
Clothing,	.	.	.	.	1,829 00	
Dry goods for clothing and small wares,	.	.	.	.	1,820 88	
Hats and caps,	.	.	.	.	73 75	
Leather and shoe findings,	.	.	.	.	78 16	
Sundries,	.	.	.	.	194 24	
					<hr/>	5,055 47

Furnishings: —

Beds, bedding, table linen, etc.,	.	.	.	.	\$3,689 24	
Brushes, brooms,	.	.	.	.	20 00	
Carpets, rugs, etc.,	.	.	.	.	272 74	
Crockery, glassware, cutlery, etc.,	.	.	.	.	394 58	
Furniture and upholstery,	.	.	.	.	22 75	
Kitchen furnishings,	.	.	.	.	18 20	
Materials and machinery for manufacturing,	.	.	.	.	48 28	
Wooden ware, buckets, pails, etc.,	.	.	.	.	98 33	
Sundries,	.	.	.	.	226 38	
					<hr/>	4,790 50

Heat, light and power: —

Coal,	.	.	.	.	\$7,744 41	
Freight on coal,	.	.	.	.	4,917 17	
Wood,	.	.	.	.	114 38	
Electricity,	.	.	.	.	53 58	
Gas,	.	.	.	.	80 44	
Oil,	.	.	.	.	128 97	
Sundries,	.	.	.	.	95 16	
					<hr/>	13,134 11

Repairs and improvements: —

Cement, lime and plaster,	.	.	.	.	\$876 91	
Electrical work and supplies,	.	.	.	.	704 16	
Hardware,	.	.	.	.	939 49	
Lumber,	.	.	.	.	1,442 18	
Machines (detached),	.	.	.	.	361 99	
Paints, oil, glass, etc.,	.	.	.	.	1,658 50	
Plumbing, steam fitting and supplies,	.	.	.	.	2,014 73	
Roofing and materials,	79 93	
Sundries,	2,131 01	
					<hr/>	10,208 90

<i>Amount carried forward,</i>	\$168,902 17
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RESOURCES AND LIABILITIES.

Resources.

Cash on hand.	\$1,391 58	
November cash vouchers (paid from advance money): —		
Account of maintenance.	\$1,031 55	
Account of special appropriations,	39 27	
	<hr/>	4,061 13
Due from treasury of Commonwealth account		
November, 1914, schedule.	10,968 67	
	<hr/>	\$14,968 67
<i>Liabilities.</i>		
Schedule of November bills.		\$14,968 67

PER CAPITA.

During the year the average number of inmates has been 928.51.
 Total cost for maintenance, \$198,465.98.
 Equal to a weekly per capita cost of \$4.10.
 Receipt from sales, \$1,551.73.
 Equal to a weekly per capita of \$0.033.
 All other institution receipts, \$49,732.71.
 Equal to a weekly per capita of \$1.03.

Special Appropriations.

OBJECT.	Act or Resolve.	Whole Amount.	Expended during Fiscal Year.	Expended to Date.	Balance at End of Year.
New boilers,	Acts 1913, chap. 133,	\$10,000 00	—	—	—
Deficiency for new boilers,	Acts 1914, chap. 305,	2,958 13	\$6,887 40	\$12,956 93	\$1 20 ¹
Stable,	Acts 1914, chap. 106,	9,000 00	4,396 10	4,396 10	4,603 90
Enlarging hall and corridor,	Acts 1914, chap. 124,	8,000 00	883 00	883 00	7,117 00
Fire protection,	Acts 1914, chap. 124,	4,000 00	3,075 53	3,075 53	924 47
		\$33,958 13	\$15,242 03	\$21,311 56	\$12,645 37

¹ Reverting to treasury of the Commonwealth.

Respectfully submitted,

LEWIS F. BABBITT,

Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

WARREN A. MERRILL,

Assistant Supervisor of Accounts.

STATISTICAL TABLES.

[FORM PRESCRIBED BY STATE BOARD OF INSANITY.]

1. — General Statistics for the Year.

[illegible]

1. — General Statistics for the Year — Concluded.

	INSANE.			NOT INSANE, VOLUNTARY.			TEMPORARY CARE.			INBRIATES.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients remaining Sept. 30, 1914,	467	467	934	2	1	3	—	2	2	—	—	—	469	473	942
Viz.: regularly committed,	464	465	929	—	—	—	—	—	—	—	—	—	464	468	932
emergency,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
voluntary,	2	1	3	2	1	3	—	—	—	—	—	—	4	2	6
temporary care,	—	—	—	—	—	—	—	2	2	—	—	—	—	2	2
transfer,	1	1	2	—	—	—	—	—	—	—	—	—	1	1	2
supported as State patients,	380	325	714	2	1	3	—	2	2	—	—	—	391	331	722
as reimbursing patients,	40	60	100	—	—	—	—	—	—	—	—	—	40	60	100
as private patients,	38	82	120	—	—	—	—	—	—	—	—	—	38	82	120
Number of different persons within the year,	665	618	1,283	4	4	8	9	2	11	4	4	8	678	628	1,306
Number of different persons admitted,	210	170	380	4	3	7	8	2	10	3	3	6	222	178	400
Number of different persons admitted from the community,	201	162	363	4	3	7	8	2	10	3	3	6	213	170	383
Number of different persons dismissed,	200	153	353	2	3	5	9	—	9	1	1	2	211	157	368
Number of different persons dismissed to the community,	177	115	293	2	3	5	9	—	9	1	1	2	188	119	307
Number of different persons recovered,	15	17	32	—	—	—	3	—	3	—	—	—	18	17	35
Number of different persons capable of self-support,	30	8	38	—	—	—	—	—	—	—	—	—	30	9	39
Daily average number of patients,	465.49	454.46	919.95	.042	.023	.065	.197	.191	.388	1.367	1.367	2.734	465.729	456.041	921.770
Viz.: State patients,	387.12	325.71	712.83	.042	.023	.065	.197	.191	.388	1.367	1.367	2.734	387.359	327.291	714.650
reimbursing patients,	37.75	48.27	86.02	—	—	—	—	—	—	—	—	—	37.75	48.27	86.02
private patients,	40.62	80.48	121.10	—	—	—	—	—	—	—	—	—	40.62	80.48	121.10
Whole number of emergency admissions,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Whole number of voluntary admissions,	—	—	—	—	—	—	—	—	—	—	—	—	11	7	18
Daily average number of voluntary admissions,	—	—	—	—	—	—	—	—	—	—	—	—	1.808	1.032	2.840
Whole number of temporary care admissions,	—	—	—	—	—	—	—	—	—	—	—	—	41	27	68
Daily average number of temporary care patients,	—	—	—	—	—	—	—	—	—	—	—	—	.695	.723	1.419

2. — *Insane received on First and Subsequent Commitments.*

NUMBER OF COMMITMENTS.	CASES COMMITTED.		
	Males.	Females.	Totals.
First to this hospital,	187	136	323
Second to this hospital,	9	20	29
Third to this hospital,	3	1	4
Fourth to this hospital,	3	2	5
Fifth to this hospital,	1	—	1
Sixth to this hospital,	1	1	2
Seventh to this hospital,	—	2	2
Total cases,	204	162	366
Total persons,	201	162	363
Never before in any hospital for the insane, . . .	175	123	298

3. — *Nativity and Parentage of Insane Persons first admitted to Any Hospital.*

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.
Massachusetts,	72	21	27	44	21	21	116	42	48
Other New England States,	17	13	14	11	6	10	28	19	24
Other States,	18	12	13	15	10	10	33	22	23
Total native,	107	46	54	70	37	41	177	83	95
Other countries:—									
Argentina,	1	—	—	—	—	—	1	—	—
Armenia,	—	—	—	1	1	1	1	1	1
Austria,	6	7	7	4	4	4	10	11	11
Canada,	10	22	23	14	24	23	24	46	46
Cuba,	1	—	—	—	—	—	1	—	—
Denmark,	—	—	—	—	1	1	—	1	1
England,	4	10	9	1	2	1	5	12	10
Finland,	1	1	1	—	—	—	1	1	1
France,	—	—	—	1	2	2	1	2	2
Germany,	3	5	4	1	2	2	4	7	6
Greece,	1	1	1	—	—	—	1	1	1
Ireland,	14	41	37	18	33	32	32	74	69
Italy,	3	3	3	2	2	2	5	5	5
Norway,	1	1	1	—	—	—	1	1	1
Poland,	6	6	6	3	2	2	9	8	8
Russia,	8	8	8	4	5	5	12	13	13
Scotland,	4	4	4	1	2	2	5	6	6
Spain,	—	—	—	1	1	1	1	1	1
Sweden,	1	1	1	1	1	1	2	2	2
Turkey,	—	—	—	1	1	1	1	1	1
Total foreign,	64	110	105	53	83	80	117	193	185
Unknown,	4	19	16	—	3	2	4	22	18
Totals,	175	175	175	123	123	123	298	298	298

4. — *Residence of Insane Persons admitted from the Community.*

	FIRST ADMITTED TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Hampshire County,	26	15	41	7	9	16	33	24	57
Hampden County,	100	70	170	13	15	28	113	85	198
Franklin County,	15	16	31	2	1	3	17	17	34
Berkshire County,	30	19	49	2	13	15	32	32	64
Essex County,	1	—	1	—	—	—	1	—	1
Middlesex County,	—	1	1	1	—	1	1	1	2
Worcester County,	3	2	5	1	1	2	4	3	7
Totals,	175	123	298	26	39	65	201	162	363
Unknown,	—	—	—	—	—	—	—	—	—
Totals,	175	123	298	26	39	65	201	162	363
Cities and towns,	118	70	188	18	26	44	236	96	232
Country districts,	57	53	110	8	13	21	65	66	131
Totals,	175	123	298	26	39	65	201	162	363

5. — *Civil Condition of Insane Persons first admitted to Any Hospital.*

	Males.	Females.	Totals.
Unmarried,	76	37	113
Married,	75	62	137
Widowed,	19	22	41
Divorced,	2	2	4
Unknown,	3	—	3
Totals,	175	123	298

6. — Occupation of Insane Persons first admitted to Any Hospital.

MALES.

Armorer,	1	Manager, store,	1
Author,	1	Machinists,	6
Baggage-master,	1	Masons,	2
Barber,	1	Merchant,	1
Billposter,	1	Molder,	1
Blacksmiths,	4	Operatives,	15
Boiler maker,	1	Painters,	3
Broom maker,	1	Paper maker,	1
Butcher,	1	Peddler,	1
Cabinet maker,	1	Printer,	1
Carpenters,	8	Railroad men,	2
Carriage trimmer,	1	Retired,	3
Cigar clerk,	1	Sanitary inspector,	1
Cigar makers,	2	Secretary,	1
Clergyman,	1	Sheet metal worker,	1
Clerks,	4	Ship steward,	1
Cobbler,	1	Stationary engineer,	1
Core maker,	1	Stone cutter,	1
Driver,	1	Street car conductor,	1
Drop forger,	1	Students,	2
Dyers,	2	Switchman,	1
Engraver,	1	Tailors,	3
Farmers,	7	Teamsters,	3
Farm laborers,	8	Telegraph operator,	1
Janitors,	2	Waiter,	1
Jeweler,	1	Watchman,	1
Junk dealers,	2	Weaver,	1
Laborers,	42	No occupation,	17
Lather,	1		
Leather cutter,	1	Total,	175

FEMALES.

Bookkeeper,	1	Operatives,	13
Chambermaid,	1	Saleslady,	1
Cook,	1	Seamstress,	1
Domestics,	8	Servant,	1
Furniture polisher,	1	Student,	1
Housekeepers,	5	Tobacco stripper,	1
Housewives,	2	Typesetter,	1
Housework,	14	Waitresses,	2
Knitter,	1	No occupation,	25
Laundress,	1		
Nurses,	2	Total,	83

WIFE OF —

Carpenters,	3	Peddlers,	2
Farmers,	2	Policeman,	1
Fireman,	1	Printer,	1
Grocer,	1	Retired merchant,	1
Laborers,	12	Shoemaker,	1
Lumberman,	1	Steel polisher,	1
Machine worker,	1	Storekeeper,	1
Mechanics,	2	Tailor,	1
Musician,	1		
Operatives,	6	Total,	40
Painter,	1		

7. — Ages of Insane at First Attack, Admission and Death.

	FIRST ADMITTED TO ANY HOSPITAL.						DIED.			
	AT FIRST ATTACK.			WHEN ADMITTED.			AT FIRST ATTACK.		AT TIME OF DEATH.	
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Totals.
Congenital,	23	6	29	—	—	—	3	—	—	—
15 years and less,	2	—	2	1	—	1	—	—	—	—
From 15 to 20 years,	5	5	10	11	4	15	2	—	—	—
20 to 25 years,	12	8	20	18	8	26	3	3	6	5
25 to 30 years,	10	17	27	12	15	27	1	1	2	2
30 to 35 years,	14	16	30	19	16	35	3	2	5	2
35 to 40 years,	15	11	26	27	13	40	4	—	4	4
40 to 50 years,	24	21	45	33	24	57	9	10	19	18
50 to 60 years,	8	9	17	15	8	23	5	—	5	8
60 to 70 years,	9	13	22	12	17	29	7	12	19	18
70 to 80 years,	10	12	22	17	13	30	5	7	12	24
Over 80 years,	6	4	10	8	5	13	10	4	14	15
Total,	138	122	260	173	123	296	52	41	93	96
Not insane,	3	—	3	—	—	—	—	—	—	—
Unknown,	34	1	35	2	—	2	3	—	3	—
Totals,	175	123	298	175	123	298	55	41	96	96
Mean known ages (in years),	43.37	35.13	39.22	43.81	44.93	44.29	54.98	56.25	54.14	59.45

9.— Probable Duration of Mental Disease before Admission.

PREVIOUS DURATION.	FIRST ADMITTED TO ANY HOSPITAL.		
	Males.	Females.	Totals.
Congenital,	25	7	32
Under 1 month,	49	29	78
From 1 to 3 months,	18	20	38
3 to 6 months,	15	16	31
6 to 12 months,	5	11	16
1 to 2 years,	12	13	25
2 to 5 years,	13	13	26
5 to 10 years,	3	6	9
10 to 20 years,	1	—	1
Over 20 years,	—	6	6
Total,	141	121	262
Unknown,	31	2	33
Not insane,	3	—	3
Totals,	175	123	298
Average known duration (in years), .	.872	1.38	1.13

10. — *Form of Mental Disease in Patients admitted from the Community or discharged, with Condition on Discharge, or died.*

FORM OF DISEASE.	COMMITTED.			DISCHARGED.						DIED.			TOTAL DISCHARGES AND DEATHS.	
	Males.	Females.	Totals.	RECOVERED.		CAPABLE OF SELF-SUPPORT.		IMPROVED.		NOT IMPROVED.		NOT INSANE.		Totals.
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.
A. — First admitted to any hospital: —														
Acute alcoholic insanity,	20	2	22	10	2	12	1	1	2	—	—	—	12	3
Acute delirium,	3	4	7	—	—	—	—	—	—	—	—	—	—	4
Chronic alcoholic insanity,	5	5	10	—	—	—	3	1	4	—	—	—	6	1
Dementia præcox,	44	36	80	2	1	3	7	7	16	7	3	10	30	17
Epilepsy,	2	2	4	—	—	—	1	—	1	—	—	—	2	1
Involution psychosis,	7	7	14	—	—	—	1	—	1	—	—	—	1	1
Kosakoff's psychosis,	1	1	2	—	—	—	—	—	—	—	—	—	2	1
Manic-depressive insanity: —														
Depressed form,	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Maniacal form,	5	18	23	1	1	2	2	2	4	1	2	3	5	6
Mixed form,	—	3	3	—	4	4	1	1	2	—	—	—	4	1
Mental deficiency,	9	7	16	—	1	1	—	—	—	—	—	—	—	—
Organic brain disease,	22	5	27	—	—	—	3	1	4	6	1	7	15	3
Organic dementia,	2	1	3	—	—	—	2	1	3	—	—	—	3	1
Paranoia,	19	17	36	—	—	—	—	—	—	—	—	—	14	12
Paresis,	1	2	3	—	—	—	2	1	3	—	—	—	2	1
Pellagra,	12	12	24	—	—	—	—	—	—	—	—	—	7	1
Senile dementia,	—	1	1	—	—	—	—	—	—	—	—	—	1	1
Unclassified,	21	12	33	—	—	—	—	2	3	—	—	—	22	15
Not insane,	6	—	6	—	—	—	—	—	—	—	—	—	—	—
Total A,	175	123	298	11	11	22	24	6	30	21	15	36	125	84

11. — Discharges of the Insane, classified by Admission and Results, and Deaths.

NUMBER OF THE ADMISSION.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			TOTAL DISCHARGES AND DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital, . . .	11	12	23	25	7	32	21	15	36	21	16	37	—	—	—	53	36	89	131	86	217
Second to this hospital, . . .	3	4	7	4	1	5	1	1	2	2	1	3	—	—	—	1	3	4	11	10	21
Third to this hospital, . . .	1	1	2	—	—	—	2	1	3	—	—	—	—	—	—	1	1	2	4	3	7
Fourth to this hospital, . . .	—	—	—	1	—	1	1	—	1	—	—	—	—	—	—	—	1	1	2	1	3
Sixth to this hospital, . . .	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1
Total cases, . . .	15	17	32	30	8	38	25	18	43	23	17	40	—	—	—	55	41	96	148	101	249
Total persons, . . .	15	17	32	30	8	38	24	18	42	23	17	40	—	—	—	55	41	96	147	101	248
First admitted to any hospital,	11	11	22	24	6	30	21	15	36	17	16	33	—	—	—	52	36	88	125	84	209

19.—Causes of Death and Form of Mental Disease in Persons who died.

	Acute Cerebra			Chronic Alcoholic			Paranoid Form			Dementia			Epilepsy			Mental Deterioration		
	Males	Females	Totals	Males	Females	Totals	Males	Females	Totals	Males	Females	Totals	Males	Females	Totals	Males	Females	Totals
Chronic diseases:																		
Addison's disease,																		
Cerebrum of stomach,																		
Cerebrum of tongue,																		
Degeneration nystagmus,																		
Epilepsy,																		
Epilepsy of foot,																		
Epilepsy,																		
Paranoid alcoholic,																		
Pyelonephritis,																		
Rheumatism,																		
Stomach by tongue,																		
Diagnosis of nervous system,																		
Brain tumor,																		
Epilepsy,																		
Chronic paralysis of tongue,																		
Diagnosis of the auditory system,																		
Acute alcoholic,																		
Acute alcoholic,																		
Cerebral hemorrhage,																		
Epilepsy,																		
Epilepsy,																		
Epilepsy of heart,																		
Epilepsy,																		
Myocarditis,																		
Organic brain disease,																		
Diagnosis of respiratory system,																		
Bronchitis pneumonia,																		
Larynx pneumonia,																		
Pulmonary tuberculosis,																		
Pulmonary tuberculosis,																		
Diagnosis of digestive system,																		
Acute motorile,																		
Totals,	7	11	18	11	11	22	11	11	22	11	11	22	11	11	22	11	11	22

19. — Cause of Death and Form of Mental Disease in Persons who died — Concluded.

	MENTAL DISEASES,			ORGANIC DEMENTIA,			PARANOID,			MENTAL DEGENERATION,			VAGUE,		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
Chloral disease.															
Alcohol's disease.															
Carcinoma of stomach.															
Carcinoma of tongue.															
Epileptoid epilepsy.															
Epilepsy.															
Ganglion of foot.															
Gallstone.															
Paralysin dementia.															
Pseudodementia.															
Psychodementia.															
Rachitis.															
Rachitis by tongue.															
Diseases of nervous system.															
Brain tumor.															
Dementia.															
General paralysis of insane.															
Diseases of the circulatory system.															
Aortic dilation of heart.															
Atherosclerosis.															
Coronary hemorrhage.															
Endocarditis.															
Epilepsy.															
Patty degeneration of heart.															
Myocarditis.															
Organic brain disease.															
Diseases of respiratory system.															
Bronchitis pneumonia.															
Lobar pneumonia.															
Pulmonary edema.															
Pulmonary tuberculosis.															
Diseases of digestive system.															
Acute enteritis.															
Total.	10	1	11	10	14	24	9	1	10	10	14	24	25	11	36

13. — Duration of Mental Disease and its Treatment in Persons recovered or died.

	FIRST ADMITTED TO ANY HOSPITAL.						ALL OTHER ADMISSIONS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Recoveries: —												
Under 1 month,	9	5	14	3	1	4	1	1	2	—	—	—
From 1 to 3 months,	1	3	4	6	4	10	5	1	6	—	—	—
3 to 6 months,	1	—	1	1	4	5	4	4	8	1	1	2
6 to 12 months,	—	2	2	—	2	2	—	3	3	2	2	4
1 to 2 years,	—	1	1	1	—	1	1	1	2	—	—	1
2 to 5 years,	—	—	—	—	—	—	—	1	1	—	1	1
5 to 10 years,	—	—	—	—	—	—	—	—	—	—	1	1
10 to 20 years,	—	—	—	—	—	—	—	1	2	—	—	2
Over 20 years,	—	—	—	—	—	—	—	—	1	—	—	—
Total,	11	11	22	11	11	22	11	11	22	4	6	10
Unknown,	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	11	11	22	11	11	22	11	11	22	4	6	10
Average of known cases (in months),	0.6	5.1	2.9	2.5	4.4	3.5	3.1	8.7	5.4	41.2	126.3	36.4

SIXTIETH ANNUAL REPORT
OF
THE TRUSTEES
OF THE
NORTHAMPTON STATE HOSPITAL,
FOR THE
YEAR ENDING NOVEMBER 30, 1915.



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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

CHARLES S. SHATTUCK,	HATFIELD.
JOSEPH W. STEVENS, <i>Secretary</i>,	.	.	.	.	GREENFIELD.
EMILY N. NEWTON,	.	.	.	.	HOLYOKE.
CAROLINE A. YALE,	.	.	.	.	NORTHAMPTON.
LUKE CORCORAN, M.D.,	.	.	.	.	SPRINGFIELD.
JOHN McQUAID,	.	.	.	.	PITTSFIELD.
HENRY L. WILLIAMS, <i>Chairman</i>,	.	.	.	.	NORTHAMPTON.

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,	.	.	.	.	<i>Superintendent.</i>
EDWARD C. GREENE, M.D.,	.	.	.	.	<i>First Assistant Physician.</i>
ANGELA BOBER, M.D.,	.	.	.	.	<i>Senior Assistant Physician.</i>
ARTHUR N. BALL, M.D.,	.	.	.	.	<i>Assistant Physician.</i>
BEATRICE A. REED, M.D.,	.	.	.	.	<i>Junior Assistant Physician.</i>
HARRIET M. WHITNEY, M.D.,	.	.	.	.	<i>Physician to Out-patient Department.</i>
LEWIS F. BABBITT,	.	.	.	.	<i>Treasurer (office at the hospital).</i>
LEE N. SINCLAIR,	.	.	.	.	<i>Engineer.</i>
CARL W. HAMMOND,	.	.	.	.	<i>Farmer.</i>
SUSAN E. WARREN,	.	.	.	.	<i>Matron.</i>

The Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital respectfully submit herewith their report of the affairs of the hospital for the fiscal year ending Nov. 30, 1915.

We refer to the reports of the superintendent and the treasurer, which are transmitted as a part of our report, for a more detailed account of the management of the hospital, its financial affairs, movement of population, results of treatment and varied activities of the institution.

We have been handicapped the past year by reason of having been granted an inadequate appropriation for the maintenance of our patients. We were required to make estimates for the support of 900 patients, though we had reason to believe that we should probably have to care for a daily average number of at least 950. At the time of making our estimates there were 945 patients under our care, and within a few weeks we had more than 970 to support. Upon our representation of these facts we were allowed to estimate for the support of 920. We were furthermore required to base our estimates on too small a per capita cost; we had to use as a basis the appropriation made in 1914 for the support of 900 patients, divided by 930, the average number actually supported. Finally, these obviously inadequate estimates were arbitrarily reduced by the legislative committee, in the hope that we could some-

how get along with the appropriation that was granted. A considerably smaller maintenance appropriation, proportionate to the number of patients, was allowed to us than was allowed to any of the other institutions, even to those that care only for chronic insane. It is universally recognized that the acute and recoverable cases require more care, and at a greater expense, than the chronic cases; it pays the Commonwealth to get its cases well as soon as possible. In granting our appropriation it seems to have been ignored that our hospital cares for many private patients, varying from 120 to 150 in number; the past year we received for their board \$35,000. Their friends pay for more attention and for a greater variety in food. If, therefore, our expenditures in these directions should be greater than those of the institutions that care only for cases supported wholly at public expense, these factors should be taken into consideration in the examination of our estimates, and in comparing the cost at our hospital with the cost at these other institutions. Our estimates for food were cut to a point below our requirements, and as a result our inventory shows that we had food supplies, to the value of \$2,000, less on hand at the end of the year than at the beginning.

Our request for money with which to engage more nurses was refused. It is well recognized that success in treatment of mental cases depends, in a large measure, on the nursing service, and if we are embarrassed by inferior quality, or by lack in numbers, of our nursing force, our measure of success is correspondingly less than it should be. It is not economy to afford our hospitals too few caretakers for their inmates. The ratio of nurses to patients is smaller at our hospital than in any of the other State institutions, and our efforts to raise this ratio to proper requirements have hitherto been thwarted by inadequate appropriations.

Our Board fully realizes the need of watchfulness and care in the expenditure of appropriations; by the exercise of strict economy we have lived within our income this year. This, however, was made possible only by the relief afforded by the transfer of 80 patients to other institutions by the State Board of Insanity.

During the year the expenses under the heading "Miscellaneous" have been much larger than the appropriation allowed for this purpose, principally because more patients have been maintained in family care than we were told to estimate for. The cost of their support appears under the above heading. In order to live within our income, therefore, we had to reduce the expenditures for other purposes; this could be done most easily for repairs for the time being, but every one of experience knows that repairs must be made, and that if deferred they will eventually cost more than if attended to when need arises.

The building operations that were mentioned in our report last year as being well under way have been completed, — the stable for farm horses, the pump house with fire pumps installed, and the corridor and bay window in the department for women. All these will add to our efficiency and convenience. The corridors and bay window make the life of the patients much pleasanter, affording more sunshine and cheer to the wards which they adjoin, and opportunity for patients to get out of doors, even in inclement weather.

With the growth of the institution has come a steady demand for more power and light. A new engine and electric generator is needed to supplement our present equipment, which consists of two units, — first, an engine of 155 horse power operating an electric generator of 100-kilowatt capacity, caring for the heavy load of power and light during the day and early evening; and second, a small engine with generator of $37\frac{1}{2}$ -kilowatt capacity, which cares for the lights during the night. Our requirements for power and light have outgrown the capacity of the smaller unit during fourteen hours of each day in winter and eleven hours in summer. In case of injury or need of repairs to the larger unit we should be seriously handicapped. We ask, therefore, for a special appropriation with which to purchase and install a new engine and generator. We have obtained estimates of the cost of various engines and generators, from which we find we shall need, for this purpose, an appropriation of \$4,300.

We renew our request of last year for an appropriation to

build a house and tower for the care and protection of our fire hose and apparatus, as outlined in our annual report of 1914, to which we refer. Use of our hose at a fire in the winter of 1914 demonstrated that we had no suitable place for thawing, draining and drying the hose that is used in winter, whether at a fire or at the fire drills required by law. All of our apparatus, hose, ladders and trucks should be assembled and kept in an accessible central place. We have submitted plans and estimates of the cost of such a building to the State Board of Insanity. We recommend that an appropriation of \$4,000 be granted for this purpose.

The trustees have hoped for two years to be able to remodel and equip the rooms where the old laundry was located for dining rooms for our employees. These rooms adjoin the kitchen and are admirably adapted to the purpose. At present our employees are eating in four dining rooms, two divisions at each meal, and the rooms are overcrowded. Our nurses are eating at tables with patients, which is not desirable for either nurses or patients. The State Board of Insanity has approved of the plan, as did the legislative committee on its visit to the hospital last year. No special appropriation was asked for, as it was hoped we might do the work with our own force of employees from the maintenance allowance for repairs and improvements, but our total maintenance allowance was so much smaller than requested that we have been cramped all the year to live within the reduced appropriation. Inasmuch as the change suggested must be considered as additional equipment and not as a replacement we request a special appropriation for this purpose. We estimate that this will cost \$2,300 by doing the work ourselves.

We deem it wise to ask for a special appropriation for the installing of a vacuum system to insure a better circulation of steam through our heating apparatus and at a lower pressure than is required at present. This will result in more efficient heating of the radiators, with a lower consumption of coal, especially in spring and fall. A similar system is in operation in some of the other State institutions to their great advantage. It is proposed to purchase the material, and to install this

system with our own workmen, the installation to extend over a period of two years. The requirements for the first year for vacuum pumps, pipes, valves and fittings will cost \$1,200.

The superintendent's report shows a condition of overcrowding throughout the hospital that is unwise and very disadvantageous. Many beds are made up at night on corridors and spaces that should be reserved for day use, and many rooms intended for one patient are occupied by two. The State Board of Insanity has relieved the pressure somewhat by transferring patients to other institutions, but in spite of this relief, and of efforts of the superintendent to discharge to relatives and friends as many patients as possible, the number supported during the year has been larger than ever before. We believe the institution at Northampton should not be further enlarged at present, for the good of the patients who have to be cared for there, and that it is as economical to provide for them in a separate institution near their places of residence. We shall be glad to co-operate with the State Board of Insanity in the solution of the question of what to do with the increase that may be expected with each succeeding year.

With more patients to be cared for there is also, necessarily, need of more nurses and other employees. We again, as last year, call your attention to our inadequate accommodations for our employees. There is urgent need of office room and of sleeping quarters for employees of all classes, — officers, nurses, domestic help and farm help. During the past eleven years there has been no additional space provided for these purposes, though the number of employees has steadily increased, and patients now have to be turned out of their rooms to afford accommodations for them.

During the year there have been several changes in our medical staff. On July 31, 1915, Dr. Geraldine Oakley left to take the superintendency of a hospital for women in Toronto, Ont., newly opened, and on Aug. 17, 1915, Dr. Jean MacLean left to take service in the Royal Hospital for Children in Edinburgh, Scot. On September 17 Dr. Beatrice A. Reed joined our staff, having had previous service of a year at the Taunton State Hospital.

There have been no changes in our Board of Trustees during the year. We have met regularly each month as a Board at the hospital, and individual members have made frequent visits to the hospital between our regular meetings. We are glad to report that, in our opinion, the affairs of the hospital have been well and economically administered.

CHARLES S. SHATTUCK.

JOSEPH W. STEVENS.

EMILY N. NEWTON.

CAROLINE A. YALE.

LUKE CORCORAN, M.D.

JOHN McQUAID.

HENRY L. WILLIAMS.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

The following report of the management and of the affairs of the hospital is respectfully submitted.

At the beginning of the year ending Sept. 30, 1914, there were 942 patients under our care and treatment. At that date there were also 78 patients away from the hospital on probation, of whom 10 were returned to the hospital for further treatment and 68 were nominally admitted for purposes of discharge. There were also returned 5 who had previously escaped. During the year there were 412 patients admitted. In all, we cared for 1,369 cases, a larger number by 57 than in any previous year.

The daily average number cared for, 945, exceeded that of the previous year by 23.

The largest number under care on any one day was 975, which number exceeds our capacity, as estimated by the State Board of Insanity, by 155.

The number dismissed, not including the patients nominally admitted for discharge but including those who died, was 414, and the number remaining at the end of the year was 955.

Sixty-seven temporary-care cases and 4 observation cases were admitted; of these, 61 were regularly committed and 10 were dismissed before the expiration of the period for which they were sent here. Of the other admissions 360 were regularly committed by the courts, 13 were transferred by the State Board of Insanity from the Gardner State Colony, the Bridgewater State Farm, the Westborough State Hospital and from family care, and 32 were admitted as voluntary cases; of these, 9 had previously been inmates of this hospital. Five of them were not insane.

The probable causes of insanity in the cases admitted were principally hereditary tendency, congenital defect, arrest of mental development in infancy and childhood, syphilis, intemperance and the use of drugs in a large number of cases, and in many cases old age and disorders incident to it, — arteriosclerosis, organic brain disease and apoplexy.

Grief, worry, anxiety and disappointment are often assigned as causes by relatives or by the attending physician, but it is rare that these alone are causes of insanity, for if they were the number of the insane would be vastly greater than it is. They may be contributory causes when there is an hereditary tendency or some underlying defect. In most cases when present they must be considered as symptoms rather than as causes.

The question naturally arises, How many of our cases are preventable? Theoretically, all cases brought on by vicious living, by intemperance, by syphilis are preventable. Theoretically, others in whom there is a latent tendency to insanity may have their lives so ordered as to escape a breakdown. Practically, however, human nature is prone to disregard advice, and history has shown that in this country as in European countries increase of insanity has kept pace with the age and degree of civilization of a community.

Analysis of the table of forms of insanity in the cases admitted shows that a major part of them had forms of insanity that are unfavorable for recovery.

The average age of the persons admitted was forty-two; there were 57 admitted who were over sixty years of age, 27 of whom were between seventy and eighty, and 6 were over eighty, one being a centenarian.

Of the patients dismissed 39 were discharged as recovered, 49 as much improved, — some of them to complete their recovery at home, — 62 as improved, and 18 as unimproved; 80 were transferred by the State Board of Insanity to the Grafton State Hospital, the Monson State Hospital, the Westborough State Hospital, the Tewksbury State Infirmary and the Bridgewater State Farm, and 105 died. The death rate for the year was 7.3 per cent., the same as last year. The average age of those who died was fifty-eight. Only 14 were under

forty years of age, while 49 per cent. were more than sixty years of age; 28 were between seventy and eighty and 9 were over eighty years of age.

Four women died of pellagra. They had shown symptoms of the disease for periods varying from six months to eighteen years prior to admission. Ten cases in all of pellagra have been admitted within the past four years.

Most of the patients who were dismissed were allowed to leave the hospital on probation. The number out on probation at any given time varied from 78 to 101. The majority of these were finally dismissed without need of returning to the hospital. While on probation they were kept under our observation through correspondence and by visits of some member of our staff, or by the patients' reporting in person at the hospital or at one of our clinics at Springfield, Greenfield or Pittsfield.

The daily average number of patients cared for, as well as the total number during the year, was greater than in any previous year. Some of the reasons of the steady increase are quite obvious, as, for instance, the increase in the population of the district served by the hospital; the rapid growth of urban population whence comes the greater proportion of our inmates; the faster pace of living; and the admission to our country of immigrants who cannot stand the stress of life here, or who are unfit at the time of landing.

It must not be lost sight of that advantage of our hospitals is taken to a greater extent than formerly, so that much of the increase is only a so-called visible one; for instance, many more old people, both actually and relatively to the total number of admissions, are admitted in recent years than formerly, as has been shown in some of our recent reports. Many of these may have but a slight accentuation of the mental enfeeblement that is natural to old age, barely to the degree that makes their commitment legal. Without much effort on the part of the relatives they could be cared for at home, as many of them should be, or, if they have no home, they could be cared for more to their comfort in the local almshouses, where they would be spared the mental pain of being stigmatized as insane and of having to associate with people who are insane. Our experience leads to the opinion that many

such cases are sent to the hospital in order to shift the burden of their support to the taxpayers of the State.

One never-failing source of increase in our numbers is the yearly accumulation of patients who do not recover and who remain in the hospital. Of the patients in the hospital at the end of the year now being considered some were admitted as long ago as 1873, and 11 of them were admitted in the years prior to 1884. Some of the admissions of each year since 1884, a period of thirty-one years, still remain in the hospital. Hospital residence, where the patient's life and daily routine are well ordered in sleeping, eating and personal hygiene, in exercise, occupation and recreation, conduces to a longer life than if the patient had remained in the community. Half of our patients have lived here for more than three years, and in but a small proportion of these cases do we hope for recovery.

Our annual admissions for several years have averaged more than 400; for the past ten years the average number admitted annually has been 350. Assuming that there will not be fewer admissions this year we may confidently make the following prediction, basing it on a study of our admissions and discharges for the past twenty-five years: there are now 350 persons in the four western counties of the Commonwealth who will be committed to the hospital within the next twelve months; of these, within the ten years following their admission, 78 will be discharged as recovered, 103 as improved, — some to go on to recovery and others to become self-supporting, — and 72 as not improved; 66 will die in the hospital, and 31 will still remain in the hospital at the end of the ten years.

It is this steady accretion of the undischarged that makes up the bulk of our population.

The excess in number of admissions each year over the number discharged has resulted in a condition of overcrowding. This overcrowding has extended over so long a period that we have come to accept it as the natural order of things, but this year it has been more serious than ever before. The hospital was planned to care for 250 patients. Since the original buildings were erected and occupied accommodations have been provided from time to time for about 350 more patients. By

measuring the floor space devoted to sleeping quarters for patients a former State Board estimated our capacity at 820 patients. It was possible, however, for us to accommodate this number only by putting two beds into rooms intended to accommodate but one patient. We now have 82 single rooms with two beds in each, the dormitories are crowded, and 140 patients are sleeping in corridors and day space.

To relieve this congestion somewhat the State Board of Insanity has within the past year transferred 80 patients to institutions in the eastern part of the State, but in spite of this our daily average number for the past year was 23 greater than ever before. Our beds are all occupied. To provide for the new patients that come new beds must be set up somewhere, and shifting of patients from one room to another or one ward to another is necessary, to the detriment of all the patients concerned, not to mention the extra burden imposed on the caretakers.

Several years ago we were advised that we could not expect any relief till the eastern part of the State has been provided for, and that time seems far distant, as the number of beds provided each year by the Legislature does not equal the yearly increase of the insane to be cared for.

In the past ten years more than 650 patients have been transferred from us to other institutions, — 271 to the Gardner State Hospital, 257 to the Grafton State Hospital, 34 to the Monson State Hospital and 33 to the Medfield State Hospital; of these, 327 resided in Hampden County, 164 in Berkshire County, 82 in Hampshire County and 74 in Franklin County.

During this period the State has continued to enlarge the institutions mentioned, but not any more cheaply than it could have provided them somewhere in the four western counties, where these patients would have been near their relatives and friends. The cost of maintenance has not been less — it probably has been greater — than if they had been cared for near home, and the expense to friends in visiting them has been much greater.

We have been seriously handicapped all the year by having too few nurses. So much has been said of our dependence upon our nursing service for success in the treatment of our patients,

and so well understood is the need, that it seems unnecessary to speak of it again at length. Our request for a larger corps of nurses was refused by the Legislature of 1915. It is to be hoped that the coming Legislature will be more liberal in this respect. Of all the hospitals in the State that care for the insane ours had the greatest ratio of patients to nurses in 1914, except one of the institutions for the care of the chronic insane. The average ratio throughout the State was 1 nurse to 7.44 patients, — the Northampton hospital has but 1 nurse for each 10.87 patients. During the year just ended we have had a ratio of 1 nurse to 10.34 patients, manifestly too small a number to care for our patients properly, and so small as to impose too long hours of service upon the nurses.

The scope of our service in the out-patient department has been greatly enlarged during the year, entailing more work and energy on the members of our staff, but, we have reason to believe, with corresponding appreciation on the part of the public that has noticed this service. It has benefited the community and has engendered a feeling of friendliness toward and confidence in the hospital.

There were 23 patients from our hospital in family care at the beginning of the year; 19 more were placed in families, making a total of 42 thus cared for during the year; 35 remain in family care at the end of the year, supported as follows: 25 by the State, 5 by friends and 5 self-supporting.

Our assistant to the out-patient department, or some other member of the staff, made 139 visits to these patients to observe whether they were comfortable and well cared for. At these visits the patients were seen alone, being given opportunity to make complaints. Most of them appreciate the advantages of living in a private home. No patient complained of ill treatment, and only two had minor complaints that were due to misunderstandings which were easily adjusted.

Family care is an excellent thing when patients and families can be found to fit each other. It has been difficult at our hospital to find suitable cases for family care, because most of our patients have comfortable homes to go to as soon as they are well enough to leave the hospital.

Our assistant visited various towns in our district 152 times, usually seeing more than one patient or family on each trip. The occasions for these visits were to inspect homes that sought patients as boarders; to investigate home conditions of patients whose dismissal from the hospital was being considered; to advise relatives of the condition of patients at the hospital; to investigate the history of patients prior to their commitment to the hospital, as an aid to diagnosis and to complete case histories; to visit patients who were away from the hospital "on visit;" and to procure employment, if possible, or the co-operation of persons and agencies in the supervision of patients after dismissal from the hospital.

Clinics have been continued throughout the year at Springfield on the first and third weeks of each month, in Greenfield on the second week, and in Pittsfield on the fourth week.

At these, 289 first cases were seen, with a total of 319 cases; 54 of them were referred by physicians, 5 by hospitals, 4 by courts, by 5 schools and 35 came of their own accord, having seen a notice of the clinics in the newspapers.

Relatives of patients came frequently to make inquiries concerning them, to get acquainted with the physician and to send a message to the patient. These visits have established a cordial feeling toward the hospital on the part of the public, who recognize the interest that has been taken in their behalf.

Frequent consultations have been held at the hospital, and numerous cases of backward or of feeble-minded children have been brought by the charitable associations to be examined by the Binet and Yerkes tests.

Our assistant has also seen a number of cases at her office, and has visited 47 persons at their own homes at the request of relatives or of the family physician. Not infrequently, also, she has been consulted by former patients who have been discharged, but who occasionally feel the need of advice or of encouragement.

Systematic use has been made of the two therapeutic measures, occupation and amusement, in the treatment of our patients. Mention of their value and of the extent of their use has been made in nearly every annual report of the hospital

from the first, oftentimes at great length, till it would seem to be an old story, but to omit reference to them might indicate that but little value was attached to them, and it is surprising how few people in the State yet realize what is being done in such directions by the State hospitals.

In the way of employment the patients have helped in every department of the institution, — in the ward work, in dining rooms and kitchens, in the sewing and mending rooms, at the laundry, in the shops with carpenters, painters, masons, electricians, and plumbers, and in large numbers on the farm, in the gardens and at the barns and stables. They make brooms, tinware, clothing, mattresses, bedding, do all the upholstering, cane seat chairs, do printing, knit garments, make preserves and the like. Several of the women have gardens that they tend, whose products — flowers, fruits and vegetables — they have for the use of themselves and ward mates. Two instructors teach in basketry, weaving, rug making of all sorts, — braided, hooked, woven, tied and the like, — painting, embroidery and crocheting. These activities are carried on not only in the industrial room but on the wards, where the instructors give lessons to the nurses that they in turn may teach the patients.

Successful exhibits of the work of patients have been made at the hospital, at the annual meeting of the American Medico-Psychological Association at Old Point Comfort, at the Conference of Charities in Pittsfield, at the Mental Hygiene Conference in Boston, and at the Three Counties Fair in Northampton. These exhibits attracted much attention and were a source of pride to many of the patients who helped in preparing the articles exhibited.

Many of these activities are carried on solely as a therapeutic measure and at considerable expense, but the value cannot easily be estimated. The patients are made happier thereby, and convalescence is promoted. Many who have gone home recovered date the beginning of their recovery to the interest that was stimulated by these efforts.

For amusements, what has frequently been said in former years might be said to-day. We have had the regular weekly dances, moving-picture shows, concerts, parties, readings, — entertainments gotten up by the patients themselves, and at

all of these music forms a considerable part of the entertainment. Out-of-door sports are encouraged, — croquet, tennis, baseball, field sports and picnics.

Assemblies of patients were held as follows: December 2, a card party; December 16, a minstrel show by Father Mathews Society of Florence; December 25, a Christmas tree and concert; January 2, a concert by the hospital orchestra; January 20, an operetta by the young people of Hadley; January 23, readings and music by Mrs. Moulton; January 29, Walter Eccles, entertainer; March 17, a card party; April 17, concert by the hospital orchestra; May 26, "The Little Rebel," by the Nu Gamma Chi; June 18, concert by the hospital orchestra; Fourth of July, sports and band concert in the evening; September 14, musical by the Misses Woods. Besides these there were motion pictures on thirty-two evenings and dancing on twenty-eight evenings.

Much has been done in the way of repairs by carpenters, painters, roofers and masons, as buildings so old as these require a great deal of attention. In the way of extra work there have been laid sidewalks from the rear entrance to the kitchen to and around the storehouse, a new sidewalk from the old walk near the paint shop to the main entrance, a distance of about 1,200 feet in length, new cement floors in the boiler room, in the basement of the house occupied by the engineer, at the horse stable, and in the fire pump house; a porch floor at the entrance to the women's infirmary, and deafening floors in the new corridor and bay window. In all of these the patients took an active part. They also helped to finish the pump house and horse stable, the corridor and bay window.

The driveway to the front door was resurfaced, and the main road from the gate nearly to the buildings at the rear was macadamized, being first excavated to a depth of 2 feet, then filled in with stone cleared from land that was thereby made available for cultivation.

The engineer's house has been thoroughly renovated with new floors, the kitchen was rearranged, a cement floor was laid in the basement, and new heating apparatus was installed. A new piazza has been built at the farmer's house and a storm porch at the house near the gate.

Extensive renewals of plumbing apparatus have been needed on the wards for men, and now are so urgent as to need attention the coming year in at least six of the wards.

Our table of farm products shows the past season to have been favorable in spite of adverse weather conditions, — dryness early in the season followed by long and frequent rains. The principal crops — hay, potatoes, squash and the like — were of sufficient yield to meet our needs throughout the coming year. Much fencing has been done, and several acres of land have been reclaimed by the removal of stones. The stones thus gathered have been used in making sidewalks and roads.

Besides adding to the immediate welfare of the patients in providing a great variety of fruits and vegetables, the farm insures a wholesome supply of milk, beef and pork free from suspicion of disease germs, owing to our frequent testing of the animals; it furthermore provides occupation for a larger number of patients, and of a kind better adapted to their mental and physical condition, than any other department of the hospital.

The holidays were observed as usual. On the Fourth of July field sports were held at which contests for both sexes were arranged with prizes, and in the evening a band concert on the lawn was enjoyed by many.

Special dinners were provided on Thanksgiving Day and on Christmas. During the Christmas holidays the halls and chapel were profusely decorated. On Christmas Eve there was a Christmas tree, with concert and speaking, followed by the distribution of gifts to each patient.

Religious services have been held twice each Lord's day, in the morning for those of the Catholic faith and in the afternoon for all others, but many patients attend both services. The singing is by a choir of employees and patients.

Our appreciation is extended to the many friends who have kept in mind the happiness of our patients. We are indebted to the following persons for gifts and remembrances during the year: Mrs. Parker of Northampton, Mrs. Crossin of Pittsfield, Miss McIntee of Holyoke, Miss Orr of Adams, Mrs. Potter of Greenfield and Mr. Sullivan of North Adams for fruit, confectionery, money and other things for the Christmas tree; to Mrs. O'Brien, Mrs. Graves, Mrs. James, Miss Murphy, Mrs.

Parsons, Mrs. Crossin, Miss Wood, Miss Mercier and Mr. Watts for magazines; and to the publishers of the "Christian Register," "Our Dumb Animals," "Healthy Home Quarterly" and the "Greenfield Recorder" for regular issues of their publications.

JOHN A. HOUSTON,
Superintendent.

ARTICLES MADE IN SEWING ROOM.

Aprons,	470	Holdes,	129
Bathrobes,	94	Kimonos,	2
Binders,	74	Mattress ticks,	54
Bureau covers,	172	Milk cloths,	126
Buttonholes in cuffs,	180	Napkins,	192
Caps,	286	Nightgowns,	788
Chemises,	29	Petticoats,	101
Clothes bags,	241	Piano cover,	1
Couch covers,	5	Pillow cases,	1,324
Coats altered,	8	Pillow ticks,	8
Corset covers,	69	Rugs,	2
Curtains, sash,	122	Sheets,	1,524
Curtains, shade,	22	Shirts,	824
Curtains, muslin,	61	Shirt waists,	16
Curtains, hemmed,	14	Skirts, dress,	9
Diapers,	10	Skirts altered,	16
Drawers,	69	Stand covers,	241
Dresses,	263	Tablecloths,	130
Dresses altered,	42	Towels,	6,169
Dust cloths,	12	Trousers shortened, pairs,	133
Extractor covers,	12	Vests altered,	2
Garters, pairs,	30	Articles mended,	39,556

PRESERVING DONE IN KITCHEN DEPARTMENT.

Blackberries, quarts,	28	Quince, glasses,	22
Blueberries, quarts,	152	Jelly in quart jars,	35
Cherries, quarts,	145	Grape juice in quart jars,	18
Currant juice, quarts,	14	Canned peppers, quarts,	14
Gooseberry juice, quarts,	26	Gooseberry ketchup, bottles,	17
Plums, quarts,	108	Tomato ketchup, bottles,	14
Raspberries, quarts,	50	Pepper hash, gallons,	6
Rhubarb, quarts,	234	Green tomato pickle, gallons,	28
Strawberries, quarts,	300	Sweet tomato pickle, gallons,	8
Quince, quarts,	22	Mustard pickle, gallons,	16
Currant jelly, glasses,	125	Chow chow pickle, gallons,	53
Raspberry and apple, glasses,	18	Chili sauce, gallons,	5
Crab apple, glasses,	83	Cucumber pickle, gallons,	15
Grape, glasses,	108	Cider, boiled, gallons,	12

WORK DONE IN INDUSTRIES DEPARTMENT.

Hair mattresses made, old hair, old ticks,	761
Hair mattresses made, old hair, new ticks,	3
Hair mattresses made, new material,	24
Hair pillows made, old hair, old ticks,	225
Hair pillows made, old hair, new ticks,	12
Feather pillows made,	30
Shoes soled, pairs,	471
Shoes heeled, pairs,	369
Brooms made,	712
Whisk brooms made,	31
Chairs caned,	83
Baskets made,	58
Stool chairs caned,	12
Mane brushes made,	12

OFFICERS AND EMPLOYEES.

[Period of service, Nov. 30, 1915.]

NAMES.	Years.	Months.	Days.
John A. Houston, M.D., superintendent,	26	2	7
Edward C. Greene, M.D., assistant physician,	1	5	21
Angela B. Bober, M.D., assistant physician,	4	2	2
Harriet W. Whitney, M.D., assistant physician,	16	8	17
Arthur N. Ball, M.D., assistant physician,	3	2	—
Beatrice A. Reed, M.D., assistant physician,	—	2	12
Lewis F. Babbitt, treasurer,	24	1	18
Burton G. Fisk, supervisor,	12	1	15
Alice E. Bedell, superintendent of nurses,	13	3	20
Susan E. Warren, matron,	21	8	8
Jane Dolan, secretary to superintendent,	1	7	10
Euphemia Cameron, dietitian,	1	8	6
Carl W. Hammond, farmer,	5	9	—
Wm. J. Moore, steward,	19	1	13
Ord Thomas, assistant steward,	6	2	9
Frank L. Bardwell, assistant steward,	2	7	23
Rachel C. Packard, stenographer,	6	7	—
Eva L. Graves, clerk,	1	8	18
Lucy Kimball, stenographer,	1	1	11
Susan E. Norton, clothesmarker,	7	7	29
Leon E. Bruce, baker,	10	5	4
Arthur L. Hubby, assistant baker,	4	10	23
George W. Thorniley, florist,	22	7	11
Lee W. Sinclair, engineer,	—	2	22
William Day, assistant engineer,	17	7	29
Isaac Fisk, assistant engineer,	6	8	24
Samuel Clark, assistant engineer,	2	—	15
Floyd Newell, engineer's assistant,	1	10	17
Francis Pond, assistant engineer,	7	4	5
Henry L. Bartlett, fireman,	—	5	9
Paul H. Lewis, fireman,	—	8	1
Tefield Lucier, fireman,	4	1	—
Sara A. Crane, seamstress,	—	5	9
Margaret Tobin, seamstress,	4	8	23
Addie Wood, seamstress,	5	7	20
Charles E. Williams, laundryman,	18	2	29
George Begor, assistant laundryman,	8	2	9
Georgiana Allaire, laundress,	1	1	27
Ellen Moore, laundress,	9	5	2
Ella Oakes, laundress,	1	5	29
Katherine Shea, laundress,	1	4	23
Margaret Sweeney, laundress,	—	2	22
Hattie Tyler, laundress,	1	6	26

NAMES.	Years.	Months.	Days.
Marie L. Clark, usher,	—	8	2
Bertha M. Power, usher,	—	1	8
Alice Campbell, housemaid,	3	5	12
Catherine Baker, housemaid,	—	10	19
Anna Clark, housemaid,	—	4	11
Della Lasonde, housemaid,	—	2	22
Katherine Stone, housemaid,	—	3	29
Mary Murphy, center dining room,	2	7	3
Josephine O'Neil, center dining room,	2	6	21
Victoria Ridgeck, kitchen maid,	3	3	2
Mary Shea, kitchen maid,	1	9	5
Mary Sweaney, kitchen maid,	—	2	16
Mary Wilhelm, kitchen maid,	—	2	9
Minnie Zelsky, kitchen maid,	—	—	8
Joseph Mack, kitchen,	—	1	25
Josie Hurd, cook,	5	7	8
Katherine Ridgeck, cook,	3	6	22
Fred Aldrich, nurse,	15	11	18
Alvah H. Ayer, nurse,	—	3	15
Alexander Beaton, nurse,	10	4	14
George H. Brooks, nurse,	—	7	23
George M. Clark, nurse,	3	8	9
Herbert Collier, nurse,	1	—	6
Maurice Corbett, nurse,	—	7	7
John Dmytryk, nurse,	—	4	2
Thomas Dunne, nurse,	—	8	19
John Foley, nurse,	—	5	17
J. Everett Ford, nurse,	2	5	21
Wallace A. Guilford, nurse,	—	—	15
Axel Gustafson, nurse,	5	6	30
Roy Hamilton, nurse,	—	7	10
Franklin Hill, nurse,	—	7	10
Matthew Hudson, nurse,	4	6	17
Arthur Johnson, nurse,	—	4	1
Patrick Kennedy, nurse,	1	—	26
George H. King, nurse,	2	6	16
Edgar Knight, nurse,	—	1	18
John MacLean, nurse,	1	5	25
Robert McCauley, nurse,	1	6	22
William L. McCrillis, nurse,	1	2	20
Frank McGinnis, nurse,	—	2	8
Michael McKenna, nurse,	—	7	20
George B. Metcalf, nurse,	—	2	2
Eugene Miller, nurse,	—	2	29
Archie S. Moore, nurse,	—	10	25
Frank Moore, nurse,	—	7	4
John Murphy, nurse,	—	11	28
James O'Donnell, nurse,	1	2	8
John O'Donnell, nurse,	1	6	15
Charles M. Pease, nurse,	9	6	6
Fred D. Pierce, nurse,	2	3	—
Roy Richardson, nurse,	—	4	4

NAMES.	Years.	Months.	Days.
Raymond Schutt, nurse,	—	5	—
James Stapenhill, nurse,	—	4	4
Casimir Tokorski, nurse,	—	1	19
William A. Wood, nurse,	4	7	12
Mary Bayle, nurse,	—	11	8
Goldie Bickford, nurse,	7	2	—
Mabel A. Bond, nurse,	1	—	29
Lena F. Burns, nurse,	1	5	12
Catherine Chase, nurse,	—	2	22
Emma Clark, nurse,	—	5	13
Ruth D. Clark, nurse,	—	7	25
Mary G. Davis, nurse,	2	1	20
Lillian Fairbanks, nurse,	—	5	6
Isabel Ferguson, nurse,	2	2	1
Frances B. Freeman, nurse,	—	1	18
Ruth A. Hall, nurse,	—	11	9
Florrie Horton, nurse,	3	—	24
Cora B. Kaile, nurse,	—	4	23
Lillian Kotsch, nurse,	—	8	20
H. Irene Mastin, nurse,	—	7	29
Effie Mahy, nurse,	11	4	24
Belle McGinnis, nurse,	—	2	8
Helen McManus, nurse,	—	2	19
Sarah E. Morgan, nurse,	—	—	15
Mary Noone, nurse,	—	7	22
Winifred Noone, nurse,	—	7	22
Marguerite Nelson, nurse,	—	1	29
Edith M. Pease, nurse,	—	2	1
Stella Perkowski, nurse,	—	8	15
Ethel M. Porter, nurse,	—	—	21
Mary Roche, nurse,	1	5	22
Elizabeth Rowe, nurse,	—	1	10
Ruth Rowe, nurse,	—	2	9
Melissa Sharpe, nurse,	—	4	8
Sadie Sharpe, nurse,	2	4	17
Marie Simpson, nurse,	—	—	6
Lucy J. Shaw, nurse,	—	6	27
M. Stella Smith, nurse,	—	2	2
Serepta Townsend, nurse,	—	9	12
Mary Walsh, nurse,	2	1	16
Elizabeth Ward, nurse,	—	4	8
Alice M. Wilcox, nurse,	—	3	19
Mary G. Wilson, nurse,	—	8	21
Mabel Wood, nurse,	8	1	18
Ruth U. Worton, nurse,	—	—	22
Florence Vitalis, nurse,	—	1	3
John J. Bradley, laborer,	7	6	18
Thomas P. Clair, plumber,	17	7	—
Albert DeGrandpre, carpenter,	10	10	—
Ernest Holmes, painter,	1	7	4
William LaSalle, carpenter,	4	10	2
Arthur Lee, painter,	4	6	10

NAMES.	Years.	Months.	Days.
Henry Maynard, carpenter,	7	5	22
Roscoe Tobin, plumber,	13	—	28
Walter N. Tower, carpenter,	37	10	—
David R. Burns, farmer,	1	9	14
Roderick Clark, farmer,	—	2	7
James Denny, farmer,	7	1	24
Xavier Dion, farmer,	22	5	16
Joseph Donheimer, farmer,	—	6	23
Jake Drozdial, farmer,	—	7	4
Ignace Bistcol, farmer,	—	7	8
Frank Hurd, farmer,	6	5	10
Fred Kempker, farmer,	4	7	—
John Kaskey, farmer,	—	7	12
Joseph Kuroski, farmer,	—	8	—
Alexander Macmaster, farmer,	—	2	23
Paul Maynard, farmer,	2	11	16
David Mercier, coachman,	38	8	13
Alfred E. Owen, farmer,	6	9	13
Jay W. Phillips, farmer,	—	8	29
Martin Ridgeck, farmer,	1	5	28
Frank H. Sanborn, farmer,	8	6	22
Charles Rowley, farmer,	—	1	—
Frank Smith, farmer,	4	8	10
John Smith, farmer,	—	7	25
Walter C. Streeter, herdsman,	12	3	1
James Tyler, farmer,	1	8	6
Charles Ulrich, farmer,	1	6	18
Joseph Young, farmer,	1	7	2

FARM PRODUCTS.

Alfalfa, 24 tons,	\$144 00
Apples, 144 barrels,	432 00
Asparagus, 229 boxes,	802 00
Beans, shell, 54 bushels,	45 90
Beans, Lima, improved, 72 bushels,	115 20
Beans, string, 181 bushels,	226 25
Beef, cow, 3,193 pounds,	295 35
Beef, steer, 19,317 pounds,	2,462 92
Beets, 331 bushels,	182 00
Beet greens, 184 bushels,	55 20
Broilers, 209 pounds,	56 43
Broom brush and seed, 5,720 pounds,	457 60
Brussels sprouts, 112 quarts,	12 32
Cabbage, 26 tons,	299 00
Carrots, 108 bushels,	75 60
Cauliflower, 3 bushels,	1 65
Celery, 227 boxes,	170 25
Chard, 6½ bushels,	2 60
Cherries, 591 quarts,	70 92
Chickens, 868 pounds,	164 92
Cider, 450 gallons,	67 50
Citron, 275 pounds,	2 75
Corn, green, 385 bushels,	231 00
Cucumbers, 76 boxes,	76 00
Currants, 832 quarts,	41 60
Eggs, 1,378 dozen,	385 84
Egg plant, 12 barrels,	45 00
Fodder, ensilage, 540 tons,	2,700 00
Fodder, green corn, 110 tons,	550 00
Fowl, 214 pounds,	32 10
Gooseberries, 603 quarts,	42 21
Grapes, 400 pounds,	16 00
Hay, first crop, 368 tons,	8,464 00
Hay, second crop, 152 tons,	1,520 00
Hides, 2,323,	348 45
Ice, 1,020 tons,	3,060 00
Lettuce, 192 boxes,	53 76

Amount carried forward, \$23,708 32

<i>Amount brought forward,</i>	\$23,708 32
Lumber, 8,300 feet,	207 50
Mangel-wurzel, 700 bushels,	175 00
Manure, 380 cords,	2,280 00
Milk, 294,756 quarts,	16,702 84
Mint, 52 bunches,	20 80
Muskmelons, 160 crates,	160 00
Oats, 6 tons,	30 00
Onions, 247 bushels,	148 20
Parsley, 3 bunches,	1 05
Parsnips, 194 bushels,	126 10
Peas, 108 bushels,	118 80
Peppers, 33 bushels,	16 50
Plums, 47 bushels,	47 00
Pork, 33,851 pounds,	3,385 10
Potatoes, 3,992 bushels,	2,994 00
Pumpkins, 9,400 pounds,	70 50
Quinces, 5 bushels,	8 75
Radishes, 389 bushels,	194 50
Raspberries, 35 quarts,	5 25
Rhubarb, 16,930 pounds,	169 30
Rye, 9 bushels,	11 70
Salsify, 18 bushels,	18 00
Spinach, 490 bushels,	147 00
Squash, summer, 89 barrels,	53 40
Squash, winter, 3,900 pounds,	585 00
Strawberries, 5,090 quarts,	509 00
Tomatoes, green or ripe, 521 bushels,	312 60
Turnips, 963 bushels,	577 80
Watermelons, 3,700 pounds,	555 00
Wood, 40 cords,	160 00
Sales: —	
Cows and calves,	522 00
Hides,	236 05
Sundries,	14 31
Total farm product,	\$54,271 37

VALUATION.

REAL ESTATE.

Grounds and building sites, 23 acres,	\$4,861 20	
Woodland, 93 acres,	19,655 55	
Mowing, 110 acres,	23,248 50	
Pasturage, 185 acres,	39,099 75	
Tillage, 100 acres,	21,135 00	
Hospital building,	624,619 00	
Farmhouse,	2,000 00	
Brick house,	2,500 00	
Three dwellings,	5,500 00	
Cold storage,	30,000 00	
Two barns,	5,500 00	
Cow stable,	13,000 00	
Horse stable,	6,000 00	
Lumber shed,	850 00	
Piggery,	3,000 00	
Cart shed,	400 00	
Pump house,	400 00	
Paint shop,	2,039 00	
Laundry,	40,353 00	
Bradley house,	1,000 00	
Burnett house,	1,700 00	
Farm horse stable,	9,000 00	
House for fire protection,	4,000 00	
Cook house and barn,	2,500 00	
Total real estate,		\$862,361 00

PERSONAL ESTATE.

Food,	\$6,746 40	
Clothing,	2,661 54	
Furnishings,	48,527 42	
Heat, light and power,	117 55	
Repairs and improvements,	5,554 56	
Farm, stable and grounds,	50,174 75	
Miscellaneous,	2,701 33	
		\$116,483 55

STATEMENT OF FUNDS.

On hand Nov. 30, 1914,	\$2,825 61	
Receipts,	2,168 09	
	<hr/>	\$4,993 70
Refunded,		1,993 94
		<hr/>
Balance on hand Nov. 30, 1915,		\$2,999 76

Fred B. Kelly Fund.

Balance Nov. 30, 1914,	\$668 56	
Income,	40 32	
	<hr/>	\$708 88
Expended for tobacco,		27 88
		<hr/>
Balance on hand Nov. 30, 1915, in the Northampton Institution for Savings,		\$681 00

TREASURER'S REPORT.

To the Trustees of the Northampton State Hospital.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1915:—

CASH ACCOUNT.			
Balance Dec. 1, 1914,	.	.	\$1,938 88
<i>Receipts.</i>			
<i>Institution Receipts.</i>			
Board of inmates —			
Private,	.	\$34,904 00	
Reimbursements, insane,	.	16,140 57	
			\$51,044 57
Sales: —			
Food,	.	\$383 99	
Clothing and materials,	.	275 67	
Furnishings,	.	95 51	
Miscellaneous,	.	128 26	
Farm, stable and grounds: —			
Cows and calves,	\$522 00		
Hides,	236 05		
Sundries,	14 31		
		772 36	
			1,655 79
Miscellaneous receipts: —			
Interest on bank balances,	.	\$131 07	
Rent,	.	37 50	
Sundries,	.	38 94	
			207 51
			52,907 87
<i>Receipts from Treasury of Commonwealth.</i>			
Maintenance appropriations: —			
Balance of 1914,	.	\$10,968 67	
Advance money (amount on hand November 30),		6,000 00	
Approved schedules of 1915,	.	\$192,267 40	
Less returned,	.	50 17	
		192,217 23	
			209,185 90
Special appropriations,	.		12,631 00
Total,	.		\$276,663 65

Payments.

To treasury of Commonwealth, institution receipts,	\$52,907 87	
Maintenance appropriations: —		
Balance November schedule, 1914,	\$12,946 82	
Eleven months' schedules, 1915,	192,217 23	
November advances,	3,513 19	
	<hr/>	208,677 24
Special appropriations: —		
Approved schedules,	\$12,631 00	
Less advances, last year's report,	39 27	
	<hr/>	12,591 73
Balance, Nov. 30, 1915,		
In bank,	\$31 01	
In office,	2,455 80	
	<hr/>	2,486 81
Total,		<hr/> \$276,663 65

MAINTENANCE.

Appropriation,	\$207,800 00
Expenses (as analyzed below),	207,660 28
	<hr/>
Balance reverting to treasury of Commonwealth,	\$139 72

Analysis of Expenses.

Salaries, wages and labor: —		
J. A. Houston, M.D., superintendent,	\$3,000 00	
General administration,	22,505 97	
Medical service,	6,775 28	
Ward service (male),	18,925 17	
Ward service (female),	14,772 37	
Repairs and improvements,	7,696 15	
Farm, stable and grounds,	10,070 80	
	<hr/>	\$83,745 74
Labor not on pay roll,		18 04
Food: —		
Butter,	\$3,779 37	
Butterine,	3,008 12	
Beans,	212 76	
Bread and crackers,	407 14	
Cereals, rice, meal, etc.,	1,283 30	
Cheese,	119 49	
Eggs,	7,968 13	
Flour,	7,199 78	
Fish,	2,632 84	
Fruit (dried and fresh),	3,093 56	
Lard,	544 80	
Meats,	16,645 97	
Molasses and syrup,	171 62	
	<hr/>	
Amounts carried forward,	\$47,066 88	\$83,763 78

<i>Amounts brought forward,</i>	\$47,066 88	\$83,763 78
Food — <i>Con.</i>		
Spices, seasonings, salt, etc.,	\$561 81	
Sugar,	5,088 58	
Tea, coffee, broma and cocoa,	2,603 37	
Vegetables,	891 67	
Yeast,	403 36	
Sundries,	797 24	
		57,412 91
Clothing and materials: —		
Boots, shoes and rubbers,	\$1,082 29	
Clothing,	2,007 58	
Dry goods for clothing and small wares,	1,454 98	
Furnishing goods,	162 09	
Hats and caps,	40 25	
Leather and shoe findings,	61 63	
Materials and machinery for manufacturing,	144 81	
Sundries,	35 18	
		4,988 81
Furnishings: —		
Beds, bedding, table linen, etc.,	\$3,390 00	
Brushes, brooms,	64 49	
Carpets, rugs, etc.,	156 79	
Crockery, glassware, cutlery, etc.,	612 91	
Furniture and upholstery,	75 79	
Kitchen furnishings,	727 16	
Materials and machinery for manufacturing,	272 97	
Wooden ware, buckets, pails, etc.,	125 33	
Sundries,	27 58	
		5,453 02
Heat, light and power: —		
Coal,	\$7,612 99	
Freight on coal,	5,246 69	
Wood (charcoal),	70 00	
Electricity,	69 41	
Gas,	90 77	
Oil,	195 05	
Sundries,	58 77	
		13,343 68
Repairs and improvements: —		
Cement, lime and plaster,	\$1,099 05	
Doors, sashes, etc.,	6 45	
Electrical work and supplies,	791 11	
Hardware,	1,101 75	
Lumber,	1,540 09	
Machines (detached),	192 04	
Paints, oil, glass, etc.,	1,436 56	
Plumbing, steam fitting and supplies,	3,180 48	
Roofing and materials,	527 72	
Sundries,	152 43	
		10,027 68
<i>Amount carried forward,</i>		\$174,989 88

Amount brought forward, \$174,989 88

Farm, stable and grounds: —

Blacksmith and supplies,	\$657 80	
Carriages, wagons, etc., and repairs,	377 08	
Fertilizers, vines, seeds, etc.,	2,002 32	
Hay, grain, etc.,	10,526 32	
Harnesses and repairs,	252 36	
Horses,	1,045 00	
Cows,	132 31	
Other live stock,	1,298 15	
Rent,	75 00	
Tools, farm machines, etc.,	758 48	
Sundries,	565 77	
		17,690 59

Religious services, 1,495 60

Miscellaneous: —

Books, periodicals, etc.,	\$212 36	
Cuspidor supplies,	8 00	
Entertainments,	824 55	
Freight, expressage and transportation,	194 04	
Funeral expenses,	43 00	
Lavatory supplies,	234 15	
Hose, etc.,	424 06	
Medicines and hospital supplies,	1,089 04	
Medical attendance, nurses, etc. (extra),	211 06	
Manual training supplies,	337 36	
Patients' board out,	2,617 68	
Postage,	392 28	
Printing and printing supplies,	187 78	
Printing annual report,	166 50	
Return of runaways,	134 50	
Soap and laundry supplies,	1,389 57	
Stationery and office supplies,	589 46	
Travel and expenses (officials),	788 42	
Telephone and telegraph,	261 67	
Tobacco,	144 66	
Water,	2,971 60	
Sundries,	262 47	
		13,484 21

Total expenses for maintenance, \$207,660 28

SPECIAL APPROPRIATIONS.

Balance Dec. 1, 1914,	\$12,645 37
Expended during the year (see statement annexed),	\$12,631 00
Reverting to treasury of Commonwealth,	14 37
	12,645 37

Balance Nov. 30, 1915, —

RESOURCES AND LIABILITIES.

Resources.

Cash on hand,	\$2,486 81	
November cash vouchers (paid from advance money), account of maintenance,	3,513 19	
Due from treasury of Commonwealth, account of November, 1915, schedule,	9,443 05	
	<hr/>	\$15,443 05

Liabilities.

Schedule of November bills,	\$15,443 05
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PER CAPITA.

During the year the average number of inmates has been 943.

Total cost for maintenance, \$207,660.28.

Equal to a weekly per capita cost of \$4.234.

Receipt from sales, \$1,655.79.

Equal to a weekly per capita of \$0.033.

All other institution receipts, \$51,252.08.

Equal to a weekly per capita of \$1.045.

Special Appropriations.

OBJECT.	Act or Resolve.	Whole Amount.	Expended during Fiscal Year.	Expended to Date.	Balance at End of Year.
Stable,	Acts 1914, chap. 106,	\$9,000	\$4,603 08	\$8,999 18	\$0 82 ¹
Enlarging hall and corridor,	Acts 1914, chap. 124,	8,000	7,113 43	7,996 43	3 57 ¹
Fire protection,	Acts 1914, chap. 124,	4,000	914 49	3,990 02	9 98 ¹
		\$21,000	\$12,631 00	\$20,985 63	-

¹ Reverting to treasury of the Commonwealth.

Respectfully submitted,

LEWIS F. BABBITT,
Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

ALONZO B. COOK,
Auditor.

STATISTICAL TABLES.

[FORM PRESCRIBED BY STATE BOARD OF INSANITY.]

1. — General Statistics for the Year.

	INSANE.			NOT INSANE. VOLUNTARY.			TEMPORARY CARE.			INBRIATES.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients under care Sept. 30, 1914.															
In hospital,	467	467	934	2	1	3	—	2	2	—	3	3	469	473	942
In family care,	464	446	910	2	1	3	—	2	2	—	3	3	466	452	918
Viz.: regularly committed,	3	21	24	—	—	—	—	—	—	—	—	—	3	21	24
emergency,	464	465	929	—	—	—	—	—	—	—	—	—	464	468	932
transfer,	—	1	—	—	—	—	—	—	—	—	—	—	—	1	—
voluntary,	2	1	3	2	1	3	—	—	—	—	—	—	4	2	6
temporary care,	—	—	—	—	—	—	—	2	2	—	—	—	—	2	2
Admitted within the year,	255	225	480	2	3	5	6	4	10	—	—	—	263	232	495
Viz.: by regular commitment,	181	179	360	—	—	—	—	—	—	—	—	—	181	179	360
emergency,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
voluntary,	15	0	24	2	3	5	—	—	—	—	—	—	17	12	29
temporary care,	—	—	—	—	—	—	6	4	10	—	—	—	4	6	10
Viz.: observation,	—	—	—	—	—	—	2	1	3	—	—	—	2	1	3
others,	—	—	—	—	—	—	4	3	7	—	—	—	4	3	7
by transfer,	5	8	13	—	—	—	—	—	—	—	—	—	5	8	13
from escape,	6	4	10	—	—	—	—	—	—	—	—	—	6	4	10
Nominal admissions for discharge,	5	5	5	—	—	—	—	—	—	—	—	—	5	5	5
Viz.: from visit,	43	25	68	—	—	—	—	—	—	—	—	—	43	25	68
from escape,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Whole number of cases within the year,	722	692	1,414	4	4	8	6	6	12	—	3	3	732	705	1,437
Dismissed within the year,	241	220	461	4	2	6	6	6	12	—	3	3	251	231	482
Viz.: discharged,	103	66	169	4	2	6	6	3	9	—	2	2	113	73	186
as recovered,	24	13	37	—	—	—	2	2	4	—	—	—	26	13	39
as capable of self-support,	30	17	47	—	—	—	1	1	2	—	—	—	31	18	49
as improved,	36	26	62	—	—	—	—	—	—	—	—	—	36	26	62
as not improved,	9	6	15	—	—	—	—	3	3	—	1	1	9	9	18
as not insane,	4	4	8	4	2	6	3	—	3	—	—	—	11	7	18
died,	50	54	104	—	—	—	—	1	1	—	—	—	50	55	105
transferred,	24	55	79	—	—	—	—	—	—	—	—	—	24	80	104
escaped,	7	1	8	—	—	—	—	—	—	—	—	—	7	1	8
on visit October 1,	57	44	101	—	—	—	—	—	—	—	—	—	57	44	101
Nominal dismissals for commitment,	—	—	—	—	—	—	—	2	2	—	—	—	—	2	2

1. — General Statistics for the Year — Concluded.

	INSANE.			NOT INSANE. VOLUNTARY.			TEMPORARY CARE.			INEBRIATES.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients under care Sept. 30, 1915,	481	472	953										481	474	955
In hospital,	478	440	918		2	2							478	442	920
In family care,	3	32	35		2	2							3	32	35
Viz.: regularly committed,	467	460	927										467	460	927
emergency,															
voluntary,															
temporary care,	10	4	14		2	2				10	6	16			
transfers,															
supported as State patients,										4	8	12			
as reimbursing patients,	404	337	741							404	339	743			
as private patients,	38	50	88		2	2				38	50	88			
Number of different persons within the year,	39	85	124							39	85	124			
Number of different persons admitted,	676	663	1,339	4	4	8	6	6	12	685	672	1,357			
Number of different persons admitted from the community,	210	197	407	2	3	5	6	4	10	217	200	417			
Number of different persons dismissed,	194	185	379	2	3	5	6	4	10	198	188	389			
Number of different persons dismissed to the community,	197	195	392	2	2	4	6	4	10	201	204	410			
Number of different persons recovered,	173	139	312	4	2	6	6	4	10	182	148	330			
Number of different persons capable of self-support,	24	13	37							24	13	37			
Daily average number in hospital,	30	17	47							30	17	47			
Daily average number in family care,	475.42	438.55	913.97		1.60	1.60	0.21	0.46	0.67	475.63	441.18	916.81			
Daily average number under care,	2.34	25.23	27.57							2.34	25.23	27.57			
Viz.: State patients,	477.76	463.78	941.54		1.60	1.60				477.97	466.41	944.38			
reimbursing patients,	395.76	323.45	719.21		1.60	1.60	.21	.46	.67	395.97	326.08	722.05			
private patients,	43.10	55.58	98.68							43.10	55.58	98.68			
Whole number of emergency admissions,	38.90	84.75	123.65							38.90	84.75	123.65			
Whole number of voluntary admissions,										1	14	15			
Daily average number of voluntary patients,										18	2.78	7.73			
Whole number of temporary care admissions,										4.95	42	29			
Daily average number of temporary care patients, . . . . .										.65	.36	1.01			

2. — *Family Care Department.*

	Males.	Females.	Totals.
Remaining Sept. 30, 1914,	3	21	24
Admitted within the year,	3	16	19
Whole number of cases within the year,	6	37	43
Dismissed within the year,	3	5	8
Viz.: returned to institution,	3	4	7
discharged,	-	1	1
died,	-	-	-
Remaining Sept. 30, 1915,	3	32	35
Supported by the State,	-	25	25
Private,	1	4	5
Self-supporting,	2	3	5
Number of different persons within the year,	4	35	39
Number of different persons admitted,	3	16	19
Number of different persons dismissed,	3	5	8
Daily average number,	2.342	25.227	27.569
State,	-	19.112	19.112
Private, . . . . .	.747	3.115	3.862
Self-supporting,	1.595	3.000	4.595

3. — *Insane received on First and Subsequent Commitments.*

NUMBER OF COMMITMENTS.	CASES COMMITTED.		
	Males.	Females.	Totals.
First to this hospital,	171	162	333
Second to this hospital,	16	16	32
Third to this hospital,	4	6	10
Fourth to this hospital,	3	2	5
Fifth to this hospital,	1	1	2
Sixth to this hospital,	1	1	2
Total cases,	196	188	384
Total persons,	194	185	379
Never before in any hospital for the insane,	152	151	303

4. — *Nativity and Parentage of Insane Persons first admitted to Any Hospital.*

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.
Massachusetts,	66	21	24	61	30	29	127	51	53
Other New England States, . . .	17	15	14	11	12	13	28	27	27
Other States,	8	11	11	15	7	9	23	18	20
Total native,	91	47	49	87	49	51	178	96	100
Other countries: —									
Australia,	—	—	—	—	—	1	—	—	1
Austria,	5	5	5	7	7	7	12	12	12
Belgium,	1	1	1	—	—	—	1	1	1
Bermuda,	—	—	—	1	—	1	1	—	1
Canada,	14	18	19	11	18	14	25	36	33
England,	7	6	7	2	4	7	9	10	14
France,	2	3	2	1	1	1	3	4	3
Germany,	3	5	4	3	9	10	6	14	14
Hungary,	—	—	—	1	1	1	1	1	1
Ireland,	9	28	30	20	39	35	29	67	65
Italy,	6	7	7	5	6	6	11	13	13
Norway,	1	1	1	—	—	—	1	1	1
Nova Scotia,	—	—	—	1	1	1	1	1	1
Poland,	2	3	3	3	3	3	5	6	6
Portugal,	1	2	2	—	—	—	1	2	2
Russia,	8	8	8	4	4	4	12	12	12
Scotland,	—	4	4	2	4	3	2	8	7
Sweden,	—	—	—	3	4	4	3	4	4
Switzerland,	—	—	—	—	1	1	—	1	1
Total foreign,	59	91	93	64	102	99	123	193	192
Unknown,	2	14	10	—	—	1	2	14	11
Totals,	152	152	152	151	151	151	303	303	303

5. — *Residence of Insane Persons admitted from the Community.*

	FIRST ADMITTED TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Hampshire County,	29	26	55	5	2	7	34	28	62
Hampden County,	76	79	155	24	18	42	100	97	197
Franklin County,	13	14	27	5	6	11	18	20	38
Berkshire County,	32	31	63	8	7	15	40	38	78
Worcester County,	1	1	2	—	1	1	1	2	3
Essex County,	1	—	1	—	—	—	1	—	1
Totals,	152	151	303	42	34	76	194	185	379
Unknown,	—	—	—	—	—	—	—	—	—
Totals,	152	151	303	42	34	76	194	185	379
Cities and towns,	115	110	225	29	25	54	144	135	279
Country districts,	37	41	78	13	9	22	50	50	100
Totals,	152	151	303	42	34	76	194	185	379

6. — *Civil Condition of Insane Persons first admitted to Any Hospital.*

	Males.	Females.	Totals.
Unmarried,	59	58	117
Married,	83	60	143
Widowed,	9	29	38
Divorced,	1	4	5
Unknown,	—	—	—
Totals,	152	151	303

7. — Occupation of Insane Persons first admitted to Any Hospital.

MALES.

Barber,	1	Overseers,	2
Bartender,	1	Painters,	6
Bookmaker,	1	Paper maker,	1
Brakeman,	1	Pattern maker,	1
Brewer,	1	Photographer,	1
Carpenters,	7	Physician,	1
Cigar makers,	2	Pressman,	1
Clerks,	5	Printer,	1
Coachman,	1	Retired,	1
Dyer,	1	Roofer,	1
Farmers,	5	Saloonkeeper,	1
Farm laborers,	7	Shoemaker,	1
Firemen,	2	Steward,	1
Florist,	1	Storekeeper,	1
Janitor,	1	Students,	2
Laborers,	36	Tailors,	2
Laundryman,	1	Teamster,	1
Loomfixer,	1	Telegraph operator,	1
Lumbergrader,	1	Tinsmith,	1
Machinists,	9	Weavers,	4
Mail carrier,	1	Whip makers,	3
Merchants,	4	No occupation,	11
Metal worker,	1		
Milk inspector,	1	Total,	152
Operatives,	15		

FEMALES.

Agent,	1	Operatives,	20
Cashier,	1	School-teacher,	1
Cooks,	8	School-teacher, retired,	1
Domestics,	5	Seamstress,	1
Dressmakers,	4	Storekeepers,	2
Hairdresser,	1	Students,	2
Housewives,	5	Weavers,	2
Housework,	22	No occupation,	22
Milliner,	1		
Nurses,	3	Total,	104
Nurse maids,	2		

WIFE OF —

Boiler maker,	1	Lumberman,	1
Carpenter,	4	Machinist,	5
Clerk,	1	Mail carrier,	1
Engineer,	1	Milkman,	1
Expressman,	1	Operative,	2
Farmer,	5	Plumber,	1
Farm laborer,	1	Salesman,	1
Fireman,	1	Steam fitter,	1
Gardener,	1	Tailor,	1
Hotel employee,	1	Traveler,	1
Insurance agent,	1		
Laborer,	14	Total,	47

9. — Probable Causes of Mental Disease in Persons first admitted to Any Hospital.

EXCITING CAUSES.	ADMITTED.			HEREDITARY TENDENCY.				PREDISPOSING CAUSES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.		Males.	Females.	Totals.
Arteriosclerosis,	10	—	10	—	—	—		—	—	—
Arteriosclerosis and pernicious anemia,	—	1	1	—	—	—		—	—	—
Carcinoma of rectum,	—	1	1	—	—	—		—	—	—
Cerebral hemorrhage,	—	12	12	—	—	—		—	—	—
Congenital,	1	6	7	—	—	—		—	—	—
Congenital deficiency,	13	27	40	—	—	—		—	—	—
Epilepsy,	2	3	5	—	—	—		—	—	—
Heredity,	21	18	39	21	18	39		—	—	—
Heredity and intemperance,	5	3	8	5	3	8		—	—	—
Heredity and senility,	—	3	3	—	3	3		—	—	—
Illness,	—	1	1	—	—	—		—	—	—
Insular sclerosis,	1	—	1	—	—	—		—	—	—
Intemperance,	54	12	66	—	—	—		54	12	66
Involution,	—	2	2	—	—	—		—	—	—
Menopause,	—	4	4	—	—	—		—	—	—
Morphine,	—	2	2	—	—	—		—	—	—
Morphine and alcohol,	2	—	2	—	—	—		2	—	2
Puerperium,	—	1	1	—	—	—		—	—	—
Puerperium septicemia,	—	1	1	—	—	—		—	—	—
Senility,	13	14	27	—	—	—		—	—	—
Syphilis,	8	4	12	—	—	—		—	—	—
Tubercular meningitis,	—	1	1	—	—	—		—	—	—
Tuberculosis,	2	—	2	—	—	—		—	—	—
Tuberculosis and intemperance,	1	1	2	—	—	—		—	—	—
Unknown,	10	31	41	—	—	—		—	—	—
Not insane,	5	3	8	—	—	—		—	—	—
Totals,	152	151	303	26	24	50		62	16	78

10. — *Probable Duration of Mental Disease before Admission.*

PREVIOUS DURATION.	FIRST ADMITTED TO ANY HOSPITAL.		
	Males.	Females.	Totals.
Congenital,	14	14	28
Under 1 month,	33	16	49
From 1 month to 3 months,	27	12	39
3 to 6 months,	21	12	33
6 to 12 months,	9	17	26
1 to 2 years,	13	17	30
2 to 5 years,	6	29	35
5 to 10 years,	1	12	13
10 to 20 years,	—	8	8
Over 20 years,	1	3	4
Totals,	125	140	265
Unknown,	22	7	29
Not insane,	5	4	9
Totals,	152	151	303
Average known duration (in years), . . . . .	.695	2.567	1.204

11. — *Form of Mental Disease in Patients admitted from the Community or discharged, with Condition on Discharge, or died — Concluded.*

FORM OF DISEASE.	COMMITTED.			DISCHARGED.						DIED.			TOTAL DISCHARGES AND DEATHS.	
	Males.	Females.	Totals.	RECOVERED.		CAPABLE OF SELF-SUPPORT.		IMPROVED.		NOT IMPROVED.		NOT INSANE.		Totals.
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.
B. — Other admissions: —														
Acute alcoholic, . . .	6	—	6	—	—	—	1	—	2	—	—	—	3	—
Acute delirium, . . .	1	—	1	—	—	—	—	—	—	—	—	—	1	—
Acute alcoholic hallucinosis, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chronic alcoholic, . . .	4	1	5	—	—	—	1	—	1	—	—	—	1	—
Dementia præcox, . . .	3	13	16	1	—	1	5	1	1	1	—	—	3	1
Drug habitué, . . .	—	—	—	—	—	—	—	—	—	—	—	—	1	10
Epilepsy, . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—
Involution, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Korsakov's psychosis, . . .	1	—	1	—	—	—	—	1	2	—	1	—	2	—
Manic-depressive insanity: —														
Depressed form, . . .	12	7	19	2	1	3	1	2	4	—	—	—	4	8
Maniacal form, . . .	12	9	21	2	2	4	1	2	3	1	—	—	5	12
Mixed form, . . .	—	1	1	—	—	—	1	1	1	—	—	—	2	2
Mental deficiency, . . .	1	2	3	—	—	—	1	—	—	—	—	—	1	1
Organic dementia, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paranoia, . . .	1	1	2	—	—	—	—	—	—	—	—	—	1	1
Paraphrenia expansive, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paralysis, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pellagra, . . .	—	—	—	—	—	—	—	—	—	—	—	—	1	—
Psychasthenia, . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—
Senile dementia, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diagnosis deferred, . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—
Not insane, . . .	—	1	1	—	—	—	—	—	—	—	—	1	—	1
Total B, . . .	44	37	81	5	3	8	4	9	13	8	6	14	23	30
Aggregate cases, . . .	196	188	384	24	13	37	30	17	47	36	26	62	153	120
Aggregate persons, . . .	194	185	379	24	13	37	30	17	47	35	26	61	152	120

12. — Discharges of the Insane, classified by Admission and Results, and Deaths.

NUMBER OF THE ADMISSION.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			TOTAL DISCHARGES AND DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital, . . .	21	11	32	26	9	35	31	22	53	8	5	13	4	4	8	47	46	93	137	97	234
Second to this hospital, . . .	2	2	4	1	5	6	2	1	3	1	-	1	-	-	-	3	5	8	9	13	22
Third to this hospital, . . .	1	-	1	2	-	2	2	1	3	-	1	1	-	-	-	-	2	2	5	4	9
Fourth to this hospital, . . .	-	-	-	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3
Fifth to this hospital, . . .	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1
Sixth to this hospital, . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1
Seventh to this hospital, . . .	-	-	-	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	2	2
Tenth to this hospital, . . .	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
Total cases, . . .	24	13	37	30	17	47	36	26	62	9	6	15	4	4	8	50	54	104	153	120	273
Total persons, . . .	24	13	37	30	17	47	35	26	61	9	6	15	4	4	8	50	54	104	152	120	272
First admitted to any hospital, . . .	19	10	29	26	8	34	28	20	48	8	5	13	4	3	7	45	44	89	130	90	220

Involution,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Organic brain disease,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Organic heart disease,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Syphilitic brain disease,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Respiratory system:—															
Bronchopneumonia,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lobar pneumonia,	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Miliary tuberculosis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulmonary tuberculosis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gastrointestinal system:—															
Acute enteritis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Genitourinary system:—															
Chronic parenchymatous nephritis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals,	2	3	5	1	-	1	-	1	-	1	1	2	7	9	-

[illegible]

14. — Duration of Mental Disease and its Treatment in Persons recovered or died.

	FIRST ADMITTED TO ANY HOSPITAL.						ALL OTHER ADMISSIONS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Recoveries: —												
Under 1 month,	11	4	15	3	1	4	1	—	1	—	—	1
From 1 to 3 months,	3	3	6	11	3	14	6	2	8	—	1	1
3 to 6 months,	1	2	3	3	4	7	6	4	10	—	1	1
6 to 12 months,	—	1	1	1	2	3	1	4	5	1	1	4
1 to 2 years,	—	—	—	1	—	1	1	—	1	1	—	—
2 to 5 years,	—	—	—	—	—	—	—	—	—	1	—	1
5 to 10 years,	—	—	—	—	—	—	—	—	—	—	—	—
10 to 20 years,	—	—	—	—	—	—	—	—	2	—	—	—
Over 20 years,	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	15	10	25	19	10	29	15	10	25	5	3	8
Unknown,	4	—	4	—	—	—	4	—	4	—	—	—
Totals,	19	10	29	19	10	29	19	10	29	5	3	8
Average of known cases (in months),	.8	1.4	1	3.4	3.5	3.8	1.3	4.9	2.8	74.8	9	50.1
										12.9	4	8.3

SIXTY-FIRST ANNUAL REPORT
OF
THE TRUSTEES
OF THE
NORTHAMPTON STATE HOSPITAL,
FOR THE
YEAR ENDING NOVEMBER 30, 1916.



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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

Mr. JOSEPH W. STEVENS, <i>Secretary</i> ,	.	.	.	GREENFIELD.
Mrs. EMILY N. NEWTON,	.	.	.	HOLYOKE.
Miss CAROLINE A. YALE,	.	.	.	NORTHAMPTON.
LUKE CORCORAN, M.D.,	.	.	.	SPRINGFIELD.
Mr. JOHN McQUAID,	.	.	.	PITTSFIELD.
Mr. HENRY L. WILLIAMS, <i>Chairman</i> ,	.	.	.	NORTHAMPTON.
Mr. CHARLES S. SHATTUCK,	.	.	.	HATFIELD.

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,	.	.	.	<i>Superintendent.</i>
EDWARD C. GREENE, M.D.,	.	.	.	<i>First Assistant Physician.</i>
ANGELA BOBER, M.D.,	.	.	.	<i>Senior Assistant Physician.</i>
ARTHUR N. BALL, M.D.,	.	.	.	<i>Assistant Physician.</i>
ELIZA KILPATRICK, M.D.,	.	.	.	<i>Assistant Physician.</i>

NONRESIDENT OFFICERS.

HARRIET M. WHITNEY, M.D.,	.	.	.	<i>Physician to Out-patient and Social Service De- partments.</i>
Mr. LEWIS S. BABBITT,	.	.	.	<i>Treasurer and Clerk (office at the hospital).</i>
P. W. STONE, D.D.S.,	.	.	.	<i>Dentist.</i>

HEADS OF DEPARTMENTS.

Mr. L. N. SINCLAIR,	.	.	.	<i>Engineer.</i>
Mr. C. W. HAMMOND,	.	.	.	<i>Farmer.</i>
Miss S. E. WARREN,	.	.	.	<i>Matron.</i>
Miss M. A. M. BOND,	.	.	.	<i>Director of Occupation Therapy.</i>

CONSULTING BOARD OF PHYSICIANS AND SURGEONS.

E. A. BATES, M.D.,	.	.	.	SPRINGFIELD.
E. W. BROWN, M.D.,	.	.	.	NORTHAMPTON.
W. J. COLLINS, M.D.,	.	.	.	NORTHAMPTON.
C. R. GARDNER, M.D.,	.	.	.	NORTHAMPTON.
D. E. HARRIMAN, M.D.,	.	.	.	SPRINGFIELD.
R. H. SEELYE, M.D.,	.	.	.	SPRINGFIELD.
H. T. SHORES, M.D.,	.	.	.	NORTHAMPTON.

The Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital respectfully submit herewith the annual report of the affairs of the hospital for the fiscal year ending Nov. 30, 1916, together with the reports of the superintendent and the treasurer.

It has been found very difficult to live within the appropriation granted by the Legislature during the year just ended. A year ago we were required to estimate for the support of 970 patients. Our estimates were based on the expenditures of previous years, and we were assured by the State Board of Insanity, the only officials who gave intelligent consideration to our estimates, that our estimates were conservative and reasonable, but in spite of this the Legislature made a considerably smaller appropriation than we asked for; smaller relatively than they gave to institutions caring only for chronic insane and having no recoverable cases and no private patients to care for.

No consideration seemingly was given to this hospital's returning to the State treasury \$54,000 received by us for board of private patients. These patients pay for the board received, but we have to furnish their board and care from an appropriation allotted only on the pauper basis, which is not just to them nor to the hospital.

Furthermore, we had at times 34 more patients than we were allowed to estimate for; we not only had to maintain these, but had to purchase equipment for them from the maintenance appropriation.

We also had to get along with a much smaller number of nurses than we needed to do our work properly. At times there

were but 18 nurses on day duty to care for 500 women patients. Our superintendent has repeatedly called attention to the great need of more nurses, yet for the past two years our specific requests for money to increase their numbers have been refused. We were not even granted an appropriation large enough to employ the increased number of nurses that our increased number of patients called for on our old ratio. We therefore have been unable to bring our quota of nurses to the average quota throughout the State, though our class of patients requires a higher ratio than any of the institutions except the hospitals that care for acute cases. In our estimates for the coming year we have again asked for a sum large enough to enable us to increase our number of nurses. This is reasonable and we hope it will be granted.

Our estimates for maintenance are larger than they were for the past year, due partly to an increased number of patients expected, but largely to higher prices of labor, board, and supplies of all kinds.

The Legislature of 1916 appropriated \$1,200 with which to begin the equipment of our heating plant with a vacuum system. This amount was expended in equipping the radiators in the rear center building and the first and second wards of the male and female departments. It has been put to use during the cold days up to the present, and has been found to meet all expectations to our great satisfaction. We ask for a further appropriation of \$1,760 to complete the installation throughout the hospital.

We were granted a special appropriation of \$2,300 with which to remodel the old laundry into dining rooms for employees. This work is progressing favorably, much of the required materials having been purchased and the work of reconstruction begun.

We feel the necessity of calling attention again to the serious overcrowding in the departments for patients and employees. As repeatedly pointed out, the institution years ago was filled to its capacity. A tour of the hospital will disclose a condition not creditable to the Commonwealth. Many rooms intended to accommodate one patient are occupied by two; extra beds are crowded into dormitories, and still more are set up

permanently in corridors, sitting rooms and day spaces. Nor is there room enough for officers and other employees. Early in 1905 the infirmary building for men was opened for use. Since then no further provision for patients has been made. At that time there were 770 patients in the institution. From that time till the present more than 700 patients have been transferred to other institutions, yet we have now 1,000 patients. We believe that provision should be made to care for all patients of our district, and that the time is at hand when serious consideration should be given to this matter. This undoubtedly can best be done by the Commission on Mental Diseases, in co-operation with our Board.

In planning for the future of the institution we advise that attention be given to a proposal frequently discussed by us of establishing a reception hospital as a branch of our institution somewhere nearer the center of population of our district than Northampton. This might well be not only a hospital for the reception and temporary detention of patients committed to the hospital here, but a place for the examination and treatment of nervous and mental cases that need never come to the hospital at Northampton. Our superintendent assures us that many cases undoubtedly would come willingly for treatment to such a hospital who would hesitate or refuse to come to the State hospital.

We have to report the destruction of one of our barns by fire on the evening of October 25. At about 8 o'clock fire was discovered in the so-called "Day" barn, under such headway that efforts to save the building were useless. The building was destroyed with about a hundred tons of hay, a farm wagon, manure spreader and sixteen registered calves, also an adjoining building used as a poultry house. Twelve head of stock in the basement were saved.

The Northampton fire department came to our assistance and gave most valuable help. Our own force of employees did well and are deserving of great credit. The new fire pumps installed two years ago were used and proved their worth; but for them it would have been impossible to save adjoining buildings worth at least six times the cost of installing the pumps.

Last year and the year before we asked for a special appro-

priation with which to build a fire station. The fire this year demonstrated anew our need of such a station, but we refrain from asking for an appropriation at this time because of the larger appropriations than usual that will be needed for maintenance by the various State institutions, due to the high cost of living.

There have been the following changes on our medical staff: —

Dr. Beatrice A. Reed resigned to take up her former work at the Taunton State Hospital.

Dr. Evelyn Noyes entered our service on May 6, but resigned July 4 to resume private practice.

Dr. Eliza Kilpatrick, who had served six months as interne in the Woman's Hospital in Detroit and eight months at the New England Hospital for Women and Children in Boston, was appointed as junior assistant and began service August 1.

The trustees have met as a Board regularly once a month at the hospital, and individual members of the Board have frequently visited the institution between the stated meetings.

HENRY L. WILLIAMS.
CHARLES S. SHATTUCK.
JOSEPH W. STEVENS.
EMILY N. NEWTON.
CAROLINE A. YALE.
LUKE CORCORAN, M.D.
JOHN McQUAID.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

The superintendent's report of the management of the hospital and of its affairs for the year ending Nov. 30, 1916, is herewith respectfully submitted.

It should be noted that the statistical tables appended to the report are for the year ending Sept. 30, 1916. A brief analysis of these tables is given here, showing the more important facts relative to the movement of population, the causes of mental disease in patients admitted, and the results of treatment.

On Oct. 1, 1915, there were 955 patients under care, of whom 920 were in the institution and 35 in family care. On the same date there were 101 patients away from the hospital on trial visit.

During the year 441 patients were admitted, of whom 367 were regularly committed, 30 were admitted on voluntary application, 21 were admitted under the temporary-care act, 2 were transferred from other institutions and 21 were returned from visit or escape. Besides the above there were 109 nominal admissions for discharge.

The dismissals numbered 505, including those discharged from nominal admission; of these, 63 were discharged as recovered, 41 as capable of self-support, 52 as improved, 40 as not improved and 16 as not insane, the latter, voluntary and temporary-care cases; 110 died, 62 were transferred to other institutions, 3 escaped and 118 were away on visit Sept. 30, 1916.

The total number of cases under care was 1,505; the number of persons 1,407; the largest number on any one day 1,004; the daily average number of persons was 970 for the year ending September 30, but 978 for the fiscal year ending November 30.

The number of insane persons first admitted to any hospital was 306. Of these, 40 per cent. were born in Massachusetts, 18

per cent. in other States in this country and 42 per cent. in foreign countries. Of the foreign born, 34 were born in Ireland, 26 in Canada, 18 in Russia, 13 in Austria, 12 in Italy, 9 in England, 5 in Scotland, 3 in Sweden and 1 each in France, Greece, Switzerland and Syria.

The average age of those admitted was forty-three years.

The principal causes of insanity in cases admitted were as follows in their respective numerical order: senility and changes incident to old age, heredity and transmitted tendencies, intemperance, syphilis.

Less than 30 per cent. of the cases admitted had forms of insanity generally considered to be favorable for recovery.

Among the causes of death in persons who died were cerebral hemorrhage in 25 cases, senility in 13, general paresis in 12, endocarditis in 8, broncho-pneumonia in 7, lobar pneumonia in 6, acute enteritis in 5, cerebral syphilis, exhaustion of insanity, cerebral arteriosclerosis in 3 each.

The average age of those who died was sixty-one years; 54 were over sixty years of age, 14 of these being over eighty years old. The average duration of mental disease was eighty-one months in persons who died.

One man and two women have died of pellagra during the year, and a suspected case is now under care.

Medical work has continued along the lines of previous years, but has been more exacting because of the larger number of patients and with but four assistant physicians to care for them. There is more work than four physicians can properly attend to with the reception of patients, making physical and mental examinations, the clinical and pathological work, writing histories, preparing cases for presentation at staff meetings, attendance on visitors and conducting the correspondence about patients, supervising the entertainments and the industrial activities of the patients, attending the clinics and the out-patient work. There is need of another man and woman on our medical staff as clinical assistants, and also of a pathologist and a pharmacist. We should also appoint a dentist to give his full time to the hospital, as the one day a week now devoted to dentistry is not enough.

Systematic examination of the blood and of the spinal fluid

has been made in all suspected cases of syphilis. Because of the distance from our hospital to the State laboratory it is difficult to get blood serum and spinal fluid there in satisfactory condition for examination, consequently routine examination of all patients admitted is not attempted. In 82 suspected cases of syphilis the blood serum of all was tested, and in the 33 positive cases the spinal fluid was tested, besides a few other cases that exhibited clinical symptoms of neurosyphilis. The results of the latter were as follows: positive, 27; negative, 15; and doubtful, 2.

The dentist who at present gives but one day a week to our work reports the following cases treated by him: amalgam fillings, 53; extractions, 397; synthetic fillings, 47; prophylaxis, 95; cement fillings, 23; treatments, 14; bridge work, 2; porcelain crowns, 6; roots amputated, 6; lancing of abscesses, 5; artificial dentures repaired, 2; full upper vulcanite dentures, 5; full lower vulcanite dentures, 2; number of cases of pyorrhœa, 17, of which number 7 were improved and 10 were cured.

Our social service and out-patient work as outlined in the annual reports of 1910 and the following years has continued with increasing activity. The ready response of the public and the expressions of grateful appreciation demonstrate the usefulness of this branch of our work. The past year has been a busy one. Clinics have been held every week by one or more of the members of the medical staff; at Springfield these are now held at the Springfield Hospital on the first and third Wednesdays of each month; at Greenfield in the Franklin County Hospital on the second Monday of the month; and at Pittsfield at the House of Mercy on the fourth Thursday of the month. The management of each of these institutions has been very helpful to us.

As the public learns of these, it makes more use of them. There have been 318 patients seen and advised at these clinics, of whom 300 came for the first time; 45 were referred by physicians, 2 by other hospitals, 47 by charitable associations, 7 by courts, 7 by schools, 21 came of their own initiative, 61 cases discharged from the hospital came to report, and relatives of 112 patients in the hospital came to inquire about them, to get acquainted with the hospital officers, and to send some message or gift to the patients.

Commitment papers were signed by some member of the staff, following examination of the patient in 23 cases, for commitment to the schools for the feeble-minded at Waverley and Wrentham. The social worker made 239 visits in the after-care work, and investigated for other hospitals a number of cases residing in our district. Dr. Whitney also saw 28 patients in consultation with other physicians at the request of the family of the patient or of some charitable association. In these cases she was of service in advising commitment in some and home treatment in others.

More patients than ever, 43 in number, have been in family care the past year, and the daily average number, 34, was 7 larger than the year before.

On May 11 the Hampshire District Medical Society held its annual meeting at our hospital. A tour of the hospital was made and a number of cases of unusual interest were shown.

The retiring president, Dr. O. W. Cobb of Easthampton, delivered the annual address, and the following papers were read by members of the hospital staff: "The Relations of Alcohol to Insanity," by Dr. Greene; "Syphilis and Insanity," by Dr. Ball; "Pellagra," by Dr. Bober, with demonstration of two cases; "The 'Binet Test' and the 'Yerkes Point Scale for Measuring Mental Intelligence,'" by Dr. Bober; "Legislation concerning the Admission and Discharge of Patients," by Dr. Houston.

The superintendent has given frequent lectures and talks on subjects pertaining to our work to medical societies and clubs, and to classes from Amherst College, Smith College, Mt. Holyoke College, the International College at Springfield and the State Normal School at Westfield.

The usual course of training has been given our nurses, comprising the following lectures: 10 in anatomy, 10 in physiology, 9 in obstetrics, 10 in surgery, 3 in hygiene, 9 in special diseases, 4 in nervous diseases, 10 in materia medica, 16 lectures and practical demonstrations in dietetics, and 70 recitations in practical nursing.

The class was small, but two nurses being graduated: Miss Mary F. Walsh of Pittsburgh, Pa., and Miss Mary E. Roche of Boston. The following was the program at the graduation exercises on the evening of October 19: overture, orchestra; invocation, Rev. S. C. Hallisey; music, orchestra; address,

Rev. S. C. Hallisey; music, orchestra; presentation of diplomas, Dr. J. A. Houston; reception and dancing.

The present senior class is small, there being but six members, but they are enthusiastic and are doing good work.

Our training school is being reorganized to conform to a uniform curriculum adopted by all the State hospitals. The course has been lengthened, and affiliation has been or is being arranged with a general hospital, whereby our training may be supplemented, during the second or intermediate year, by experience in the things we lack. The course is planned to qualify nurses to pass the State examination for registration.

A training course of one year for attendants is to be required of all who do not care to take the course for nurses.

Use in liberal quantities has been made of the two great remedies, work and play, as written about in former annual reports. Record of them is made here lest such important matters escape public notice. Recoveries are hastened, and contentment and well-being of patients are promoted more by these than by any other remedial agency known.

Two industrial teachers are employed, Miss Bond and Miss Gilfillan, in the industrial room, on the wards and in the classroom. More teachers could be used advantageously if our budget for salaries would permit. They instruct and direct in crocheting, knitting, weaving, basket making, string work, embroidery, sewing, toy making, making of footstools and the like. The hospital has had the following exhibitions of work: April 20 to 22 at the Eastern Art Association, Springfield; April 28 at the Massachusetts Normal Art School, Boston; October 5 to 6 at the Northampton County Fair; October 12 to November 15 at the Exhibition of Applied Arts at the Art Institute of Chicago, Ill.

Occupation for the patients has followed the usual lines of former years. Patients help in every department of the institution, — on the wards, in the kitchen and dining rooms, at the shops, at the stable, on the farm and in the gardens. During the summer many patients, both men and women, find useful and agreeable work in the gardens; and the farm, as in every similar institution, affords the most favorable opportunity for employment possible.

Quite a number of the women have garden plots in which

they raise flowers and vegetables, as they please, for use on their own tables.

Much repair work is needed on our buildings, and patients are very helpful to carpenters, painters, plumbers and electricians in doing this sort of work.

All the tinware, mattresses, brooms and many of the garments used are made by the inmates.

A permanent road, with stone foundation, was made on the hill leading to the hospital and on the service road from the main entrance to the working departments of the institution, about 1,400 linear feet in all. New cement sidewalks have been made and basement floors laid, aggregating nearly 6,000 square feet of cement work, in all of which patients took an active part, doing the excavating, mixing the sand, stone and cement, and also assisting in laying and finishing the work.

The year has been a prosperous one on the farm. We raised all the vegetables, milk, pork and considerable beef used in the institution. Our herd of cows is in excellent condition. All have been tested frequently for evidences of tuberculosis, and all but a few are registered. We have purchased no cows in late years, but have raised all the calves eligible for registry. In this way we are able to make a selection of the most valuable animals for our herd. During the past year the milk production has averaged more than 900 quarts daily, and the cows have averaged to yield a little more than 14 quarts a day.

As in former years, some waste land has been reclaimed by clearing it of shrubs and stones and by underdraining it. New fences have been built and roads kept in repair.

Moving pictures have been shown one evening a week throughout the year, and dances have been held once a week during the cooler months of the year. Picnics, parties, concerts and gatherings of many kinds, besides the out-of-door sports, have contributed to the happiness and contentment of our patients. The list of more formal gatherings for the year follows: October 29, a Hallowe'en party; November 18, an entertainment by Mr. Payne and Mrs. Hamberger; November 25, Thanksgiving party and dance; November 27, Warren Richards, entertainer; December 17, concert by Professor Norris and friends; December 24, Christmas exercises; Decem-

ber 25, concert by the hospital orchestra; January 18, entertainment by Mr. Taggart; February 14, Valentine party; February 17, travelogue by Mr. Jefferson; February 29, leap year party and dance; March 2, card party and musicale by hospital talent; March 18, concert by the Northampton Clef Club; April 12, card party.

On July 4 there were sports in which both men and women took part, and in the evening a band concert was given on the lawn. The holidays were observed as usual with special dinners on Thanksgiving Day and Christmas. During the Christmas holidays the halls and chapel were beautifully decorated with evergreens, and there was a Christmas tree at which there were singing and declamations, followed by the distribution of gifts to the patients.

Religious services have been held every Lord's day, for patients of the Catholic faith in the morning and for Protestants in the afternoon. These exercises are well attended, many patients being present at both services. The choir is largely of patients, and frequently one of the patients is organist.

We are indebted to friends who have sent gifts for the Christmas tree, reading matter, fruit and the like. It is a pleasure to express our appreciation for gifts from the following: Mrs. Crossin of Pittsfield for reading matter sent frequently and for gifts for the Christmas tree; Mr. Sullivan of Northampton for a generous contribution of confectionery and other things; Miss Orr of Adams and Miss McIntee of Holyoke for oranges and fruit; Mrs. Parker of Northampton and Mrs. Egbert of Springfield, who have for years thoughtfully remembered those who have no friends; Mr. Hotine of Springfield, who sent a generous contribution to purchase presents for those without relatives; many others who have sent magazines; also to the publishers of the "Christian Register," "Our Dumb Animals," "Healthy Home Quarterly" and the "Greenfield Recorder" for regular issues of their publications.

In this connection I should like to call to public notice the pleasure old magazines afford and the interest that home papers provide for many of our patients.

J. A. HOUSTON,
Superintendent.

VALUATION.

REAL ESTATE.

Grounds and building sites, 23 acres,	\$4,861 20
Woodland, 93 acres,	19,655 55
Mowing, 110 acres,	23,248 50
Pasturage, 185 acres,	39,099 75
Tillage, 100 acres,	21,135 00
Hospital building,	624,619 00
Farmhouse,	4,000 00
Brick house,	3,000 00
Three dwellings,	5,500 00
Cold storage,	30,000 00
Barn,	5,500 00
Cow stable,	13,000 00
Horse stable,	6,000 00
Lumber shed,	1,000 00
Piggery,	3,000 00
Cart shed,	400 00
Pump house,	400 00
Paint shop,	2,039 00
Laundry,	40,353 00
Bradley house,	1,000 00
Burnett house,	1,700 00
Farmhouse stable,	9,000 00
House for fire protection,	4,000 00
Cook house and barn,	2,500 00

Total real estate,	\$865,011 00
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PERSONAL ESTATE.

Travel, transportation and office expenses,	\$684 00
Food,	9,791 00
Clothing,	5,744 00
Furnishings,	53,250 00
Heat, light and power,	6,788 00
Repairs and improvements,	10,205 00
Farm, stable and grounds,	48,239 00
Medical and general care,	2,639 00

	\$137,340 00
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STATEMENT OF FUNDS.

On hand Nov. 30, 1915,	\$2,999 76	
Receipts,	5,241 68	
	<hr/>	\$8,241 44
Refunded,		4,791 70
		<hr/>
Balance on hand Nov. 30, 1916,		\$3,449 74

Fred B. Kelly Fund.

Balance Nov. 30, 1915,	\$681 00	
Income,	27 50	
	<hr/>	\$708 50
Expended for tobacco,		24 00
		<hr/>
Balance on hand Nov. 30, 1916, in the Northampton Institution for Savings,		\$684 50

TREASURER'S REPORT.

To the Trustees of the Northampton State Hospital.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1916:—

CASH ACCOUNT.			
Balance Dec. 1, 1915,	.	.	\$2,486 81
<i>Receipts.</i>			
<i>Institution Receipts.</i>			
Board of imates:—			
Private,	.	\$36,624 75	
Reimbursements, insane,	.	17,386 06	
			\$54,010 81
Sales:—			
Travel, transportation and office expenses,	.	\$20 48	
Food,	.	313 78	
Clothing and materials,	.	210 02	
Furnishings and household supplies,	.	261 69	
Heat, light and power,	.	21 09	
Farm and stable:—			
Cows and calves,	\$434 00		
Pigs and hogs,	50 00		
Sundries,	9 28		
		493 28	
Repairs, ordinary,	.	108 75	
			1,429 09
Miscellaneous receipts:—			
Interest on bank balances,	.	\$156 21	
Sundries,	.	596 36	
			752 57
			56,192 47
Refund, account of 1915 expenses,	.	.	70
<i>Receipts from Treasury of Commonwealth.</i>			
Maintenance appropriations:—			
Balance of 1915,	.	\$9,443 05	
Advance money (amount on hand November 30),	.	7,000 00	
Approved schedules of 1916,	.	204,748 62	
			221,191 67
Total,	.	.	\$279,871 65

Payments.

To treasury of Commonwealth:—

Institution receipts,	\$56,192 47
Refund, account of 1915 expenses,	70

Maintenance appropriations:—

Balance November schedule, 1915,	\$11,929 86
Eleven months' schedules 1916,	204,748 62
November advances,	4,005 46
	<hr/>
	220,683 94

Balance Nov. 30, 1916:—

In bank,	\$462 69
In office,	2,531 85
	<hr/>
	2,994 54

Total,	\$279,871 65
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MAINTENANCE.

Appropriation, current year (\$220,772 plus, transferred from small items, \$118.52),	\$220,890 52
Balance from previous year, brought forward,	139 72

Total,	\$221,030 24
Expenses (as analyzed below),	221,029 54

Balance reverting to treasury of Commonwealth,	\$0 70
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Analysis of Expenses.

Salaries, wages and labor:—

John A. Houston, M.D., superintendent,	\$4,000 00
General administration,	24,520 52
Medical service,	6,279 26
Ward service (male),	17,986 25
Ward service (female),	14,008 98
Repairs,	7,004 87
Farm and stable,	10,758 89
Grounds,	1,896 54
	<hr/>
	\$86,455 31

Religious instruction:—

Catholic,	\$600 00
Protestant,	562 00
Music,	53 07
	<hr/>
	1,215 07

Travel, transportation and office expenses:—

Postage,	\$541 52
Printing and binding,	376 94
Stationery and office supplies,	549 56
Telephone and telegraph,	277 01
Travel,	719 92
Freight,	90 00
	<hr/>
	2,554 95

Amount carried forward,	\$90,225 33
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Amount brought forward, \$90,225 33

Food:—

Butter,	\$4,235 94
Butterine,	2,957 73
Beans,	198 22
Bread, crackers, etc.,	451 16
Cereals, rice, meal, etc.,	986 20
Cheese,	552 22
Eggs,	8,194 35
Flour,	8,515 98
Fish (fresh, cured and canned),	2,719 39
Fruit (fresh),	1,790 92
Fruit (dried and preserved),	1,395 79
Lard and substitutes,	339 25
Macaroni and spaghetti,	73 73
Meats,	16,303 47
Molasses and syrups,	293 09
Peanut butter, pie filling, etc.,	18 64
Potatoes,	7 70
Seasonings and condiments,	806 69
Sugar,	5,908 99
Tea, coffee, cocoa, etc.,	2,662 19
Vegetables (fresh),	408 38
Vegetables (canned and dried),	226 91
Yeast, baking powder, etc.,	420 97
Freight,	779 78

60,247 69

Clothing and materials:—

Boots, shoes and rubbers,	\$1,271 18
Clothing (outer),	2,070 93
Clothing (under),	281 04
Dry goods for clothing,	1,194 02
Hats and caps,	48 00
Leather and shoe findings,	47 18
Machinery for manufacturing,	82 49
Socks and smallwares,	731 74
Freight,	34 24

5,760 82

Furnishings and household supplies:—

Beds, bedding, etc.,	\$2,970 93
Carpets, rugs, etc.,	561 28
Crockery, glassware, cutlery, etc.,	751 31
Dry goods and smallwares,	167 97
Fire hose and extinguishers,	146 15
Furniture, upholstery, etc.,	135 76
Kitchen and household wares,	1,259 10
Laundry supplies and materials,	1,904 72
Lavatory supplies and disinfectants,	347 47
Machinery for manufacturing,	7 67
Table linen, paper napkins, towels, etc.,	217 61
Freight,	57 83

8,527 80

Amount carried forward, \$164,761 64

Amount brought forward,		\$164,761 64
Medical and general care:—		
Books, periodicals, etc.,	\$449 06	
Entertainments, games, etc.,	954 15	
Funeral expenses,	47 00	
Gratuities,	25 50	
Ice and refrigeration,	320 00	
Laboratory supplies and apparatus,	39 39	
Manual training supplies,	651 83	
Medicines (supplies and apparatus),	1,468 21	
Medical attendance (extra),	39 50	
Patients boarded out,	3,627 66	
Return of runaways,	77 06	
School books and supplies,	313 50	
Tobacco, pipes, matches,	185 43	
Water,	3,135 93	
Freight,	94 69	
		11,428 91
Heat, light and power:—		
Coal,	\$11,818 37	
Freight on coal and other expenses,	5,954 68	
Electricity,	176 39	
Gas,	42 10	
Oil,	249 66	
Operating supplies for boilers and engines,	526 89	
Freight,	53 11	
Charcoal,	7 50	
		18,828 70
Farm and stable:—		
Bedding materials,	\$658 59	
Blacksmithing and supplies,	589 46	
Carriages, wagons and repairs,	135 15	
Fertilizers,	242 96	
Grain, etc.,	12,314 55	
Harnesses and repairs,	174 42	
Horses,	350 00	
Cows,	32 50	
Other live stock,	710 30	
Labor (not on pay roll),	10 00	
Road work and materials,	14 75	
Stable and barn supplies,	30 75	
Tools, implements, machines, etc.,	679 95	
Trees, vines, seeds, etc.,	835 38	
Veterinary services, supplies, etc.,	163 50	
Freight,	377 62	
		17,319 88
Grounds:—		
Fertilizers,	\$73 50	
Road work and materials,	1 55	
Tools, implements, machines, etc.,	60 07	
Trees, vines, shrubs, seeds, etc.,	209 84	
Freight,	5 40	
		350 36
Amount carried forward,		\$212,689 49

Amount brought forward, \$212,689 49

Repairs, ordinary:—

Brick,	\$1 25	
Cement, lime, crushed stone, etc.,	447 58	
Electrical work and supplies,	517 12	
Hardware, iron, steel, etc.,	1,098 08	
Labor (not on pay roll),	150 30	
Lumber, etc. (including finished products),	1,539 94	
Paint, oil, glass, etc.,	2,106 22	
Plumbing and supplies,	1,477 24	
Steam fittings and supplies,	536 11	
Tools, machines, etc.,	12 74	
Boilers, repairs,	218 21	
Dynamos, repairs,	72 74	
Engines, repairs,	28 08	
Freight,	115 14	
Architects' plans,	20 00	
		8,340 75

Total expenses for maintenance,	\$221,030 24
Less refund, account of 1915 expenses,	70
	\$221,029 54

RESOURCES AND LIABILITIES.

Resources.

Cash on hand,	\$2,994 54	
November cash vouchers (paid from advance money), account of maintenance,	4,005 46	
Due from treasury of Commonwealth from available appropriation, account November, 1916, schedule,	9,281 62	
		\$16,281 62

Liabilities.

Schedule of November bills,	\$16,281 62
---------------------------------------	-------------

PER CAPITA.

During the year the average number of inmates has been 977.64

Total cost for maintenance, \$221,029.54.

Equal to a weekly per capita cost of \$4.3477.

Receipt from sales, \$1,429.09.

Equal to a weekly per capita of \$0.0281.

All other institution receipts, \$54,763.38.

Equal to a weekly per capita of \$1.077.

Respectfully submitted,

LEWIS F. BABBITT,

Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

ALONZO B. COOK,

Auditor.

STATISTICAL TABLES.

[FORM PRESCRIBED BY COMMISSION ON MENTAL DISEASES.]

1. — General Statistics for the Year..

[illegible]

1. — General Statistics for the Year — Concluded.

	INSANE.			NOT INSANE, VOLUNTARY.			TEMPORARY CARE.			INEBRIATES.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients under care Sept. 30, 1916,															
In hospital,	482	518	1,000										482	518	1,000
In family care,	477	486	963										477	486	963
Viz.: regularly committed,	5	32	37										5	32	37
voluntary,	474	515	989										474	515	989
temporary care,	8	3	11										8	3	11
supported as State patients,	416	362	778										416	362	778
as reimbursing patients,	34	45	80										34	55	89
as private patients,	32	101	133										32	101	133
Number of different persons within the year,	682	689	1,381	4	4	8	16	4	20				710	697	1,407
Number of different persons admitted,	212	217	429	4	2	6	16	4	20				231	223	454
Number of different persons admitted from the community,	196	185	381	4	2	6	16	4	20				215	191	406
Number of different persons dismissed,	212	176	388	4	4	8	16	4	20				231	184	415
Number of different persons dismissed to the community,	192	134	326	4	4	8	16	4	20				211	142	353
Number of different persons recovered,	36	24	60				2		2				38	24	62
Number of different persons capable of self-support,	30	10	40				2		2				30	11	41
Daily average number in hospital,	477.48	455.81	932.79	.40	1.80	2.20	.47	.27	.74				478.35	457.38	935.73
Daily average number in family care,	3.91	31.55	34.46										3.21	31.25	34.46
Daily average number under care,	480.69	486.56	967.25	.40	1.80	2.20	.47	.27	.74				481.56	488.63	970.19
Viz.: State patients,	403.14	333.59	736.73	.34	1.80	2.14	.44	.17	.61				403.92	335.56	739.48
reimbursing patients,	40.47	62.50	102.97				.03	.10	.13				40.47	62.50	102.97
private patients,	37.08	90.47	127.55	.06		.06							37.17	90.57	127.74
Whole number of voluntary admissions,													17	13	30
Daily average number of voluntary patients,													6.42	5.09	11.51
Whole number of temporary-care admissions,													41	35	76
Daily average number of temporary-care patients,													.68	.22	.90

2. — Family Care Department.

	Males.	Females.	Totals.
Remaining Sept. 30, 1915,	3	32	35
Admitted within the year,	3	32	35
Whole number of cases within the year,	6	64	70
Dismissed within the year,	1	32	33
Viz.: returned to institution,	1	32	33
discharged,	—	—	—
died,	—	—	—
Remaining Sept. 30, 1916,	5	32	37
Supported by the State,	—	26	26
Private,	2	5	7
Self-supporting,	3	1	4
Number of different persons within the year, . .	5	38	43
Number of different persons admitted,	3	30	33
Number of different persons dismissed,	1	28	29
Daily average number,	3.21	31.25	34.46
State,	—	24.62	24.62
Private,	1.86	4.12	5.98
Self-supporting,	1.35	2.51	3.86

3. — Insane received on First and Subsequent Commitments.

NUMBER OF COMMITMENTS.	CASES COMMITTED.		
	Males.	Females.	Totals.
First to this hospital,	163	162	325
Second to this hospital,	24	19	43
Third to this hospital,	4	9	13
Fourth to this hospital,	3	1	4
Fifth to this hospital,	2	—	2
Sixth to this hospital,	2	—	2
Eighth to this hospital,	—	1	1
Eleventh to this hospital,	1	—	1
Total cases,	199	192	391
Total persons,	196	185	381
Never before in any hospital for the insane, . .	156	150	306

4. — *Nativity and Parentage of Insane Persons first admitted to Any Hospital.*

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.
Massachusetts,	59	22	24	63	33	34	122	55	58
Other New England States, . .	16	19	13	15	14	10	31	33	23
Other States,	11	9	11	10	6	10	21	15	21
Total native,	86	50	48	88	53	54	174	103	102
Other countries: —									
Austria,	8	9	9	5	8	8	13	17	17
Canada,	17	22	24	9	15	15	26	37	39
Denmark,	—	—	1	—	—	—	—	—	1
England,	3	4	4	6	6	6	9	10	10
France,	—	—	—	1	1	1	1	1	1
Germany,	1	1	1	6	10	10	7	11	11
Greece,	1	1	1	—	—	—	1	1	1
Ireland,	11	38	38	23	39	39	34	77	77
Italy,	6	6	6	6	6	6	12	12	12
Russia,	13	14	14	5	5	5	18	19	19
Scotland,	5	5	4	—	3	2	5	8	6
Sweden,	2	2	2	1	2	2	3	4	4
Switzerland,	1	1	1	—	—	—	1	1	1
Syria,	1	1	1	—	—	—	1	1	1
Total foreign,	69	104	106	62	95	94	131	199	200
Unknown,	1	2	2	—	2	2	1	4	4
Totals,	156	156	156	150	150	150	306	306	306

5. — *Residence of Insane Persons admitted from the Community.*

	FIRST ADMITTED TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Hampshire County,	22	25	47	4	7	11	26	32	58
Hampden County,	82	68	150	25	14	39	107	82	189
Franklin County,	16	18	34	3	2	5	19	20	39
Berkshire County,	36	38	74	8	12	20	44	50	94
Worcester County,	—	1	1	—	—	—	—	1	1
Totals,	156	150	306	40	35	75	196	185	381
Cities and towns,	93	92	185	23	25	48	116	117	233
Country districts,	63	58	121	17	10	27	80	68	148
Totals,	156	150	306	40	35	75	196	185	381

6. — *Civil Condition of Insane Persons first admitted to Any Hospital.*

	Males.	Females.	Totals.
Unmarried,	67	53	120
Married,	74	63	137
Widowed,	13	33	46
Divorced,	1	1	2
Unknown,	1	—	1
Totals,	156	150	306

7. — Occupation of Insane Persons first admitted to Any Hospital.

MALES.	
Armature winder,	1
Barber,	1
Boiler maker,	1
Bookbinder,	1
Brickmaker,	1
Butcher,	1
Carpenter,	5
Chauffeur,	1
Clerk,	5
Cooper,	1
Draftsman,	1
Dyer,	1
Electrician,	2
Engineer,	3
Farmer,	8
Farm laborer,	1
Fireman,	1
Foundryman,	1
Horse trainer,	1
Inspector,	1
Ivory turner,	1
Janitor,	1
Laborer,	42
Laundryman,	1
Machinist,	5
Mason,	2
Mechanic,	3
Merchant,	1
Miller,	1
Mill overseer,	1
Millwright,	1
Molder,	2
Office boy,	1
Operative,	15
Painter,	2
Plumber,	1
Polisher,	2
Porter,	1
Pressman,	1
Printer,	3
Quarryman,	1
Railroad employee,	1
Rubber worker,	1
Shoemaker,	1
Student,	1
Tailor,	4
Teamster,	3
Toolmaker,	1
Waiter,	3
Weaver,	6
Watchman,	2
No occupation,	7
Total,	156

FEMALES.	
Cook,	2
Domestic,	9
Housewife,	71
Music teacher,	1
Nurse,	4
Operative,	9
Saleswoman,	1
Seamstress,	1
Stenographer,	1
Student,	5
Tailoress,	1
Teacher,	3
Waitress,	3
Washerwoman,	1
Weaver,	1
No occupation,	37
Total,	150

8. — *Ages of Insane at First Attack, Admission and Death.*

	FIRST ADMITTED TO ANY HOSPITAL.				DIED.				
	AT FIRST ATTACK.			WHEN ADMITTED.		AT FIRST ATTACK.			
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	14	11	25	-	-	3	-	-	-
15 years and less,	3	-	3	2	1	3	-	-	-
From 15 to 20 years,	3	7	10	4	6	10	2	1	3
20 to 25 years,	12	9	21	10	9	19	2	1	3
25 to 30 years,	17	18	35	19	20	39	3	2	5
30 to 35 years,	17	11	28	21	14	35	4	5	9
35 to 40 years,	17	14	31	20	9	29	6	2	8
40 to 50 years,	26	30	56	28	32	60	13	7	20
50 to 60 years,	19	15	34	24	21	45	8	6	14
60 to 70 years,	9	14	23	11	14	25	6	11	17
70 to 80 years,	10	14	24	11	15	26	12	5	17
Over 80 years,	3	5	8	5	9	14	2	5	7
Totals,	150	148	298	155	150	305	61	46	107
Not insane,	1	-	1	-	-	-	-	-	-
Unknown,	5	2	7	1	-	1	-	-	-
Totals,	156	150	306	156	150	306	61	46	107
Mean known ages (in years),	41.6	43.2	42.8	43.4	45.1	43.1	45.6	65.6	60.6

10. — Probable Duration of Mental Disease before Admission.

PREVIOUS DURATION.	FIRST ADMITTED TO ANY HOSPITAL.		
	Males.	Females.	Totals.
Congenital,	14	11	25
Under 1 month,	28	36	64
From 1 month to 3 months, . . .	25	19	44
3 to 6 months,	18	9	27
6 to 12 months,	22	13	35
1 to 2 years,	20	17	37
2 to 5 years,	18	23	41
5 to 10 years,	2	10	12
10 to 20 years,	3	8	11
Over 20 years,	—	—	—
Totals,	150	146	296
Unknown,	5	3	8
Not insane,	1	1	2
Totals,	156	150	306
Average known duration (in years), .	1.013	1.643	1.386

11. — Form of Mental Disease in Patients admitted from the Community or discharged, with Condition on Discharge, or died — Concluded.

FORM OF DISEASE.	ADMITTED.			DISCHARGED.												DIED.			TOTAL DISCHARGES AND DEATHS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	Males.	Females.	Totals.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			Totals.	Males.	Females.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
B. — Other Admissions.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

12. — *Discharges of the Insane, classified by Admission and Results, and Deaths.*

NUMBER OF THE ADMISSION.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			TOTAL DISCHARGES AND DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital, . . .	28	19	47	27	9	36	22	18	40	7	18	25	2	2	4	50	41	91	136	107	243
Second to this hospital, . . .	3	3	6	1	1	2	3	4	7	3	3	6	1	-	1	7	4	11	18	15	33
Third to this hospital, . . .	1	1	2	1	-	1	-	-	-	-	1	1	-	-	-	3	1	4	5	3	8
Fourth to this hospital, . . .	-	1	1	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	2	1	3
Fifth to this hospital, . . .	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	2	-	2
Sixth to this hospital, . . .	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	3
Tenth to this hospital, . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Total cases, . . .	37	24	61	30	10	40	26	22	48	10	22	32	3	2	5	61	46	107	167	126	293
Total persons, . . .	36	24	60	30	10	40	26	22	48	10	22	32	3	2	5	61	46	107	166	126	292
First admitted to any hospital, . . .	25	18	43	24	9	33	22	18	40	7	18	25	2	2	4	49	38	87	129	103	232

[illegible]

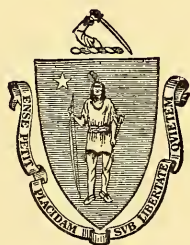
14. — Duration of Mental Disease and its Treatment in Persons recovered or died.

	FIRST ADMITTED TO ANY HOSPITAL.						ALL OTHER ADMISSIONS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Recoveries.												
Under 1 month,	15	6	21	5	—	5	4	—	4	—	—	—
From 1 to 3 months,	7	1	8	11	5	16	10	2	12	2	—	2
3 to 6 months,	2	5	7	5	7	12	4	3	7	1	—	1
6 to 12 months,	1	6	7	3	6	9	6	10	16	1	3	4
1 to 2 years,	—	—	—	1	—	1	1	2	3	3	2	5
2 to 5 years,	—	—	—	—	—	—	—	—	—	4	1	4
5 to 10 years,	—	—	—	—	—	—	—	1	1	—	—	—
10 to 20 years,	—	—	—	—	—	—	—	—	—	—	—	—
Over 20 years,	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	25	18	43	25	18	43	25	18	43	11	6	17
Unknown,	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	25	18	43	25	18	43	25	18	43	11	6	17
Average of known cases (in months),	1.2	3.5	2.1	2.1	5.2	3.4	4	8.7	5.9	18.7	21.2	19.6
										14.6	14.3	14.5

B. — Died.

Congenital,	3	7	3	—	12	—	2	8	—	12	8	20	12	8	20	—
Under 1 month,	1	6	5	—	14	—	2	6	—	38	—	87	—	8	—	—
From 1 to 3 months,	8	1	9	—	4	—	4	1	—	3	—	11	—	1	—	—
3 to 6 months,	8	3	12	—	5	—	8	3	—	6	—	14	—	1	—	—
6 to 12 months,	9	9	21	—	10	—	8	8	—	8	—	23	—	1	—	—
1 to 2 years,	12	8	16	—	12	—	15	8	—	8	—	13	—	2	—	—
2 to 5 years,	8	2	2	—	7	—	5	8	—	8	—	7	—	2	—	—
5 to 10 years,	—	1	1	—	3	—	4	3	—	3	—	4	—	1	—	—
10 to 20 years,	—	1	1	—	2	—	3	1	—	1	—	6	—	3	—	—
Over 20 years,	—	1	1	—	1	—	3	1	—	3	—	4	—	1	—	—
Totals,	49	38	87	—	38	—	87	—	—	49	—	87	—	20	—	—
Unknown,	—	—	—	—	—	—	—	—	—	—	—	—	—	8	—	—
Totals,	49	38	87	—	38	—	87	—	—	49	—	87	—	20	—	—
Average of known cases (in months),	10.9	28.2	18.7	—	23.5	—	30	—	—	82.9	—	69	—	151	—	133

SIXTY-SECOND ANNUAL REPORT
OF
THE TRUSTEES
OF THE
NORTHAMPTON STATE HOSPITAL,
FOR THE
YEAR ENDING NOVEMBER 30, 1917.



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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

MR. JOSEPH W. STEVENS, <i>Secretary</i> ,	GREENFIELD.
MRS. EMILY N. NEWTON,	HOLYOKE.
MISS CAROLINE A. YALE,	NORTHAMPTON.
LUKE CORCORAN, M.D.,	SPRINGFIELD.
MR. JOHN McQUAID,	PITTSFIELD.
MR. HENRY L. WILLIAMS, <i>Chairman</i> ,	NORTHAMPTON.
MR. CHARLES S. SHATTUCK,	HATFIELD.

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,	<i>Superintendent.</i>
EDWARD W. WHITNEY, M.D.,	<i>First Assistant Physician.</i>
ANGELA BOBER, M.D.,	<i>Senior Assistant Physician.</i>
ARTHUR N. BALL, M.D.,	<i>Assistant Physician.</i>
ELIZA KILPATRICK, M.D.,	<i>Assistant Physician.</i>
HARRIET M. WHITNEY, M.D.,	<i>Physician to Out-patient and Social Service De- partments.</i>

NONRESIDENT OFFICERS.

MR. LEWIS S. BABBITT,	<i>Treasurer and Clerk (office at the hospital).</i>
P. W. STONE, D.D.S.,	<i>Dentist.</i>

HEADS OF DEPARTMENTS.

MR. L. W. SINCLAIR,	<i>Engineer.</i>
MR. R. OLIN ROBIE,	<i>Farmer.</i>
MISS S. E. WARREN,	<i>Matron.</i>
MISS M. A. M. BOND,	<i>Director of Occupation Therapy.</i>

CONSULTING BOARD OF PHYSICIANS AND SURGEONS.

E. A. BATES, M.D.,	SPRINGFIELD.
E. W. BROWN, M.D.,	NORTHAMPTON.
W. J. COLLINS, M.D.,	NORTHAMPTON.
C. R. GARDNER, M.D.,	NORTHAMPTON.
D. E. HARRIMAN, M.D.,	SPRINGFIELD.
R. H. SEELYE, M.D.,	SPRINGFIELD.
H. T. SHORES, M.D.,	NORTHAMPTON.

The Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital herewith respectfully present their report for the fiscal year ending Nov. 30, 1917.

The reports of the superintendent and treasurer, which accompany ours, show in detail the operation and affairs of the hospital during the year.

We were granted by the Legislature the sum of \$264,146 for maintenance, which sum was considerably larger than had been needed in any previous year, yet in May an additional sum of \$18,000 was appropriated to meet emergencies made necessary by the war and by the high cost of supplies. The total amount expended for maintenance was \$270,294.51. The daily average number of patients supported was 994.42. The weekly per capita cost was \$5.21. Our estimates based on the expenses of the past year and on present prices of supplies and of labor indicate that it will be still higher the coming year. As a matter of fact the per capita cost of the year just ended would have been larger than it was but for the scarcity of labor, thus keeping our pay roll lower than estimated.

There was an unexpended balance of \$11,996.63 reverting to the State treasury.

The receipts of the hospital from board of patients and from sales and other sources amounted to \$62,730.54. Deducting this sum from the sum expended will leave \$207,563.97, equivalent to a net per capita cost of \$4.01.

We were granted a special appropriation of \$1,760 to complete the equipment of our heating plant with a vacuum system be-

gun last year. Work on this has been delayed because of difficulties in procuring the needed materials, but is progressing well and is now nearly completed. The operation of the new system has proved very satisfactory. All the radiators that have been equipped are now capable of being heated throughout, with no cold coils, and at practically air pressure.

Reference to the superintendent's report will show that the over-crowded condition of former years not only has continued but has increased. Both the total number of patients cared for and the daily average number have been larger than ever before. To relieve the congestion somewhat the Commission on Mental Diseases transferred 113 patients during the year to the Grafton State Hospital, the Gardner State Colony and the Monson State Hospital, but this has afforded only temporary relief. Year after year since 1905, when the last building for the accommodation of patients was erected, there have been transferred to institutions in the eastern part of the State more than 800 patients. This seems to us unwise and unnecessary. The institutions to which they were sent have gone on increasing in size, erecting new buildings, but not any more economically than could have been done in the western part of the State; and comparisons of cost do not show that these patients were maintained more economically than they would have been at Northampton.

The superintendent in his report has suggested several ways by which the overcrowding may be relieved and provision made for all patients that may be committed to the hospital in the future. Whatever measures are adopted should be for the permanent relief of conditions that have for years worked an injustice not only to the patients affected by them, but by the community as well. We therefore think it inexpedient to ask for any enlargement of the institution till definite plans may be formulated by us in conjunction with the Commission on Mental Diseases to provide for all the insane of the four western counties, looking forward ten, fifteen or twenty years.

There are, however, two new buildings needed that will not interfere with future plans for our district, in fact will work in well with them, namely, separate buildings for our nurses and attendants. There are not rooms enough for the nurses, con-

sequently patients' rooms on the wards have to be vacated to make room for nurses, an inconvenience to both nurse and patient.

We have had plans made for two buildings, one for each side of the hospital, at an estimated cost of \$54,000 each. They are large enough to provide accommodations for our quota of nurses, will make the life of the nurses more endurable when off duty, contributing to their comfort, and will add accommodations for 100 patients in the rooms vacated.

We therefore request of the Legislature a special appropriation of \$108,000 to be used in the erection of two nurses' homes.

Our coal and supplies in bulk are unloaded at a siding at the foot of a steep hill nearly a half mile away, imposing much effort and expense in getting them to the hospital. We have corresponded with the railroad officials relative to the cost of laying a spur track to the hospital, but find that it would be more than we feel warranted in asking an appropriation for. There has recently been offered to our Board land alongside the railroad, so situated as to afford excellent opportunities for the erection of a trestle and thus facilitate the unloading of coal. At our present siding it is necessary to shovel the coal three times and often four times before it is finally loaded in the carts in which it is brought to the hospital. From a trestle the coal could be unloaded without shoveling, often directly into the carts. If it should be thought best to develop the hospital any further, as seems most likely, this tract would be the proper site for a heating plant. There are on it a house and barn that would be a source of income to the hospital, affording accommodation for some of our employees, which is desirable whether the institution be enlarged or remain at its present size. We recommend the granting of a special appropriation of \$5,000 with which to purchase this land and the buildings on it.

There have been several changes on our medical staff during the year. Dr. Greene left the service in June. His place was filled by the appointment of Dr. Edward W. Whitney, who had been in our service previously from 1905 to 1911.

Dr. Eleanor M. Slater was appointed temporarily following a service at the Psychopathic Hospital. She was here from March 31, 1917, to Oct. 1, 1917.

Dr. Lillian R. Smith was in our service from July 1, 1917, to Sept. 6, 1917.

On April 24, 1917, Mr. Carl Hammond, the head farmer, resigned and was succeeded by R. Olin Robie, who came here well recommended from a service of ten years at the Tewksbury State Hospital. The results thus far, as shown in our farm report, confirm the wisdom of our selection.

There has been no change in the membership of our Board. We have met regularly once a month to inspect the hospital and to approve bills, and individual members have frequently visited the hospital between the times for stated meetings.

CHARLES S. SHATTUCK.

JOSEPH W. STEVENS.

EMILY N. NEWTON.

CAROLINE A. YALE.

LUKE CORCORAN, M.D.

JOHN McQUAID.

HENRY L. WILLIAMS.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

The superintendent's report of the affairs of the hospital for the year ending Nov. 30, 1917, is herewith respectfully submitted.

The statistics relative to patients in the tables appended to this report are for the year ending Sept. 30, 1917. These tables have been changed from the forms appearing in previous annual reports to conform to a new classification of mental diseases and new forms for reporting statistics concerning the insane as recommended by the American Medico-Psychological Association for the sake of uniformity, and adopted by our State and several others with the expectation that eventually they will be used by State hospitals generally throughout the country.

For your convenience a brief analysis of these tables is given below.

The movement of population during the year has been as follows: at the beginning of the year there were 1,000 patients in the institution and in family care under our supervision, and 122 on visit or escape, making the total number on our books 1,122; during the year 482 were admitted, 486 were dismissed and 140 left the institution on visit or escape, leaving at the end of the year 1,118 on our books and 978 under treatment, — 949 in the institution and 29 in family care.

The number of admissions exceeds the number admitted the previous year by 67. The daily average number actually under care and treatment, 977.58, exceeds by 7.39 the number of the previous year. The total number of cases under treatment, 1,604, exceeds by 89 the number of the previous year.

Of the patients received, 382 had never before been in a hospital for the insane; 98 were readmissions to this or to some other hospital; 2 were transferred from other hospitals.

Of those first admitted to any hospital, 45 per cent. were of foreign birth and 72 per cent. were of foreign parentage.

The average age of those admitted was forty-two years and three months; 52 were between seventy and eighty years of age and 18 were over eighty years, the oldest being ninety-seven years old.

Of the cases admitted, 90 had some form of alcoholic psychosis; 32 were senile cases and 28 had cerebral arteriosclerosis; 19 had general paralysis; 123 were of the dementia præcox groups. The large majority were subject to forms of insanity from which recovery is not to be hoped for. One of the cases admitted had pellagra.

The principal causes of insanity in the cases admitted so far as could be ascertained were heredity, senility, arteriosclerosis, syphilis, and the intemperate use of alcohol.

Of the patients dismissed, 248 were discharged; 113 were transferred by the Commission on Mental Diseases to the Monson and Grafton State Hospitals and Gardner State Colony; 129 were allowed to leave the hospital on trial visit; 9 escaped; 125 died.

The larger number of deaths occurred among the chronic patients and the very old and those suffering from some form of gross brain disease. The average age of those who died was sixty years. Twenty-two were over eighty years of age, one being over ninety. Two cases of acute alcoholism died within a few hours of admission. Apoplexy and cerebral arteriosclerosis were the principal causes of death in 44, general paresis in 13, chronic heart and kidney diseases in 14, tuberculosis in 8.

The large number of patients admitted and cared for has necessarily caused an increase in the routine clinical work, but much of the time we have been short of assistants, one each in the male and female services.

Laboratory examinations of 131 patients were made to determine the presence or absence of syphilis. The blood tests were positive in 32 cases, negative in 70, doubtful in 12, and unsatisfactory in 22. Examinations of the spinal fluid included the Wassermann tests, cell counts and colloidal gold tests. In the 24 cases examined, 12 were found positive, 11 negative and 1 doubtful.

Nine other persons were examined, some of them wives of patients who were found to be syphilitic, and several who came to our clinics.

Six cases during the year were given intensive treatment with diarsenol in conjunction with mercury and potassium iodide. These cases were selected in conference with Dr. Thom, assistant pathologist to the Commission on Mental Diseases, as likely to respond favorably to such treatment. Two of the cases of paresis showed considerable improvement at first but gradually relapsed. The third case of paresis was uninfluenced by the treatment, which was finally discontinued. One case of cerebral syphilis improved enough to go home and for several months has been well enough to continue at his former work. Two cases still under treatment, — one of paresis, one of cerebral syphilis, — show no encouraging improvement at the time of this report.

The pathological work has increased to such an extent as to make it advisable to enlarge our staff so that one assistant may give his whole time to this line of work.

Dispensary work and dental work also have both increased so that an extension of our service is desirable. We need a pharmacist and we could profitably employ a dentist the full time instead of one day a week as now. The dentist reports that during the year he has treated the following cases: prophylaxis, 135; pyorrhœa, 12; extracting, 450; alloy fillings, 70; cement fillings, 40; enamel fillings, 19; porcelain crowns, 3; gold crowns, 1; full upper vulcanite dentures, 10; full lower vulcanite dentures, 8; upper partial vulcanite dentures, 2; bridgework, 2; repair of vulcanite dentures, 4; lower metal plate, 1.

Our out-patient and social service department has had an active year, the sixth since its formal inception.

There were 45 cases cared for during the year under family care, 29 remaining at the end of the year. All of those who are able, do some work to help pay their board, some paying for their full support, and a few earning money besides their board; but the increased cost of maintaining them has lessened the number of families willing to accept such cases at the rate of board we are allowed to pay.

Clinics were held regularly each month at Springfield, Pittsfield and Greenfield. These have been well attended, and our experience warrants the belief in their great usefulness to the public and that the public appreciates our help. More and

more cases are being referred for advice, and as the public learns of the clinics more individuals come of their own accord.

To review briefly the nature of the work: patients on parole come to report; relatives of patients in the hospital come to inquire about them; individuals come seeking advice for themselves; the various charitable associations and teachers in the public schools bring children suspected of being feeble-minded for examination; physicians refer patients to us; judges ask examination of persons brought before them, pending a determination of the case, — thus 275 such cases were seen during the year.

Dr. Whitney has frequently visited families or individuals who cannot be brought to the clinics, and has gone in consultation when the patient could not come to us. Homes of newly received patients are visited to learn more of the patient's early history, also homes of patients who are improving, to learn whether conditions warrant dismissal of the patient on trial visit before complete recovery.

The course in our training school has been increased to three years, during one of which the nurse must serve at Bellevue Hospital, with which hospital we have formed an alliance. Three of our nurses are now there in training. The curriculum has been enlarged to include all requirements necessary for our graduates to register in our own State and in New York.

During the entire year we have been handicapped seriously because of inability to engage the proper number of nurses. At times we have had less than 50 per cent. of the needed number in service. This not only makes it difficult for us to give the individual attention to some of our patients that we should like to give, but allows an insufficient time to the nurses for their studies and class work.

In addition to lectures to the nurses in training, members of the staff have given informal lectures to various societies and to classes of students from Smith College, Mt. Holyoke College, and the International College at Springfield, and to the senior class of nurses of Dickinson Hospital.

A brief study of the movement of population as appears in our annual reports for the past ten years and more will call attention to conditions that should receive serious consideration

without further delay. During the past year we have received 67 patients more than were received last year, and have cared for 89 more than a year ago, but the number cared for last year was at that time the largest in the history of the hospital. To relieve our over-crowding this year the Commission on Mental Diseases transferred 113 patients to other State institutions, but to judge from past experience the relief thus afforded will be but temporary.

The daily average number supported by us in 1906 was 609. Now it is nearly 1,000, an increase of 62 per cent., with no increase in our accommodations. During that period 748 have been transferred to hospitals in the eastern part of the State, of which number nearly 500 still remain in the hospitals to which they were transferred. The number of patients then of the four western counties still in hospital care is approximately 1,500.

Our hospital has 203 single rooms, including those occupied by nurses and attendants, 59 double rooms to accommodate 132 and dormitory space for 402, a total of 737, but for years we have cared for many more than that number, only, however, by putting extra beds in rooms and dormitories and by making up beds in the corridors at night, on some nights as many as 190.

It is obvious that we cannot accommodate more than we are now caring for without extensive additions to our hospital. Yet it is only reasonable to expect a steady increase in the numbers to be cared for. The reasons for this increase have been discussed frequently by us before. Briefly a part of the increase follows *pari passu* with the increase in population of our district, and part is due to the fact that advantage is taken more and more of the facilities of the hospital. The public is less apprehensive and more appreciative.

There are several ways in which the numbers in excess of our accommodations may be cared for. The first that comes to mind is a continuance of the present policy of transferring them to other hospitals. In one way this would be the easiest and most desirable method for our institution in that it would leave us fewer patients to care for, but it would also leave us a larger number, relative to all who remain, of old, infirm, untidy, noisy and destructive patients, because not many of these classes are transferred.

I cannot recommend this solution of the difficulty, believing that it is but an act of justice to the patients and to their relatives that they be cared for in their own district, and believing, furthermore, that it is not a measure of economy. Published figures giving the per capita cost for maintenance during the past ten or twelve years do not show that the patients who have been transferred were any more economically maintained than those who remained here.

A second plan has been suggested by us frequently, namely, that a colony or branch of the hospital be established somewhere in our district, perhaps preferably in Berkshire County, to which the overflow of the hospital at Northampton could be transferred. This would be under the control of your Board till in time it might well come under a separate management as an independent institution. A quiet class of patients could be cared for in such a colony, who, by cultivating such farm products as fruit, eggs, milk and, perhaps, butter, would contribute to their own support and probably quite materially to the support of the patients at Northampton.

Thirdly, the present institution might be enlarged either by additions to the present group, or by the erection of detached groups at a little distance from the main group, or by a combination of the two plans. As for these suggestions: the present group is about as large as can be served conveniently by our present heating plant, and it does not seem to me to be wise or desirable to increase the numbers to be cared for in one group. Enlargement should be limited to a small addition to the present group on each side to provide for better classification and a nurses' home for each sex. These could be cared for by our present facilities for heating and lighting. These additions, however, would make room for only the normal increase of one or two years.

Detached groups would provide room for more patients and besides would afford opportunities for a better classification of patients. For instance, one group might be for those employed in the shops and on the farm; another for the quite demented cases; one for the chronic turbulent class who disturb all the others near them; one for convalescent patients; and a small one for the tubercular patients. They could be served by the

present facilities of kitchen, bakery, laundry and farm, but would require a change in the power and heating plant.

It must be kept in mind that if the number of patients be increased, additional accommodations must be provided for officers and employees, who are inadequately provided for at present.

Any material enlargement affording accommodation for more patients and employees will require an enlargement of our heating, lighting and power plant, and if this be necessary it would seem advisable to locate it near the railroad where coal could be unloaded directly into bunkers adjacent to the boiler room and where the smoke and dust and noise would not be a source of annoyance to our patients. The added cost of transmitting light, heat and power would be more than counterbalanced by the saving on cost of transportation of coal from the railroad to the plant in its present location.

Whether anything be done in the near future in accordance with these suggestions or not I recommend that efforts be continued to further the plan suggested in former reports of building a branch hospital, perhaps best near Springfield, where patients may come for consultation and advice; where temporary care and treatment may be provided, thus possibly precluding the necessity of commitment to the hospital at Northampton; and where scientific work in relation to mental diseases and intensive study of cases may be carried on. The Legislature of 1917 passed an act authorizing the development of such a service, for the "investigation of the nature, causes, treatment and results of mental disease and defect." Such an institution would in part be an extension of our social service and outpatient work and clinics for the vicinity of its location.

The year has been a profitable one on the farm, though the dry weather in midsummer reduced the size of the crops which earlier in the season had promised to be larger than usual. The farm products in general averaged about the same in quantity as last year. Enough vegetables were raised to supply our needs for the coming year. The amount of milk was less than desired because of the loss of some of our heifers in last year's fire, but the average yield of milk was increased nearly a quart per animal. We raised all the pork that we can use and much of the beef.

The total value of farm products was \$73,273 reckoned by the market rates furnished us by the Commission on Mental Diseases.

Employment has always been considered one of the most important means of treatment. Accordingly as many patients have been employed as possible during the past year. Every one who is physically able is urged to do some sort of work. For those who are convalescing and for those who need special attention and supervision three teachers are employed to direct and stimulate them.

The large number who are in good physical health help in the ward work, sweeping, making beds, dining-room work, helping other patients; in the housework of the administration building, in the sewing and mending rooms, in the kitchen, at the laundry, in the bakery, at the shops, at the barns, on the farm.

Some of the women patients have garden plots in which they may raise flowers and small vegetables for their own use.

All of the upholstering is done by patients, and all of the mattresses, tinware and brooms used in the hospital are made here.

Baskets, shoes, chairs and furniture are repaired by patients, and they help in all of the cement work.

A canning department was established in the room in the basement formerly used by the painter, fitted with pressure kettles for doing canning on a large scale, where 37 varieties were prepared, almost rivaling in variety the 57 of another make and surpassing them in quality in the opinion of those who did the canning and preserving.

The three teachers of industries have supervised the work of from 20 to 40 patients in the industrial room, and 172 on the wards. A list of articles made by them is as follows: crocheting and knitting, 583 pieces, — sweaters, caps, wristlets, mittens, bed socks, scarfs, firemen's shawls and slippers; 132 rugs, including woven, hooked, braided and tied; weaving, 14 pieces, — bags, tablerunners, bedspreads and portières; toweling, woven, 124½ yards; towels, hemmed, 2,361; 15 baskets of reed and raffia; string work, 56 pieces, — belts and key cords; 15 pieces of embroidery, — doilies, cushions, bureau scarfs; toys, 41, — flower sticks, door stops, toy monkeys, toy parrots, paper weights.

There were three exhibitions during the year of work done by the patients, one at Oberlin, Ohio, at an exhibition by the Oberlin Art Association, from April 9 to May 7; one at the meeting of the American Medico-Psychological Association in New York City in May; and one at the Three Counties Fair, October 2, 3 and 4.

Religious services were held each Lord's day for both Catholic and Protestant patients.

Moving pictures were shown every week during the year, and dances every week from Thanksgiving to June.

In addition to these the following entertainments were given: Warren Richards, entertainer; George S. Payne and Mrs. Treichler, entertainers; card party; concert by hospital orchestra; concert by Professor Norris and pupils; concert by the Misses Wood.

On July 4 field sports were held during the day at which prizes were awarded for winners in the various contests by both sexes. In the evening a band concert by the Northampton Band was given on the lawn.

On Hallowe'en the assembly hall was prettily decorated with emblems appropriate to the occasion. Games were played and refreshments were served.

On Christmas there was a tree beautifully decorated and illuminated. A concert was given by our own people, and presents were distributed to all. Every hall in the institution was decorated by nurses and patients, in which both took much interest.

We express thankful appreciation to various persons who thoughtfully remembered the patients. Mrs. Crossin of Pittsfield frequently sent reading matter and also gifts for the Christmas tree; Miss Eastman of South Hadley sent magazines; Mrs. Parker of Northampton, Mrs. Egbert of Springfield, Mrs. Newton of Holyoke, Mr. Moriarty of South Hadley and Mr. Murphy of Springfield gave money to buy presents at Christmas for patients who have no friends to remember them; Bridgman & Lyman, Mrs. Parsons of Northampton and others sent magazines. We also wish to express our appreciation to the publishers of the "Greenfield Recorder," the "Christian Register," "The Christian Science Monitor," "Our Dumb

Animals," "Healthy Home Quarterly" and "The New League Church Journal" for regular issues of their publications.

Newspapers from home are eagerly welcomed by patients. We are glad to receive old magazines for distribution, especially those with illustrations.

As a matter of record it may be appropriate to state briefly how the hospital has shown its patriotism during these troublous times. Many have engaged in Red Cross work, both patients and employees. The women under the encouragement of the matron have met evenings about once a week since spring to knit and sew. The following were among the articles made: 53 sweaters, 114 pairs of socks, 38 pairs of wristlets, 14 scarfs, 30 caps, 86 pin balls, 14 dozen pillow cases, 8 dozen sheets, 63 hospital sheets, 28 pajamas and 8 convalescent robes. For the Halifax sufferers \$76.50 was contributed; for the purchase of Liberty bonds \$5,600; and 105 new members were added to the Red Cross Society besides 6 who were already members.

To encourage the employees to reduce the high cost of living the trustees offered to each of the employees who cared to make use of it a piece of ploughed land to cultivate. They have reported that the following amounts were raised by them: 288 bushels of potatoes, 70 bushels of corn, 269 bushels of beans, 3 bushels of pease, 9 bushels of beets, 24 bushels of tomatoes, 191 heads of cabbage, 19 bushels of turnips, 400 pounds of squash, 60 pounds of citron, 3 bushels of parsnips, 3 bushels of carrots and $3\frac{1}{2}$ bushels of cucumbers.

J. A. HOUSTON,

Superintendent.

VALUATION.

Nov. 30, 1917.

REAL ESTATE.	
Land (501 acres),	\$108,000 00
Buildings,	822,275 03
	<hr/>
	\$930,275 03
PERSONAL PROPERTY.	
Travel, etc.,	\$1,604 60
Food,	16,533 79
Clothing,	6,727 40
Furnishings,	66,651 82
Heat, light and power,	5,641 19
Repairs and improvements,	11,248 99
Farm, stable and grounds,	47,825 37
Medical and general care,	6,104 66
Industries,	120 00
	<hr/>
	\$162,457 82
SUMMARY.	
Real estate,	\$930,275 03
Personal property,	162,457 82
	<hr/>
	\$1,092,732 85

TREASURER'S REPORT.

To the Trustees of the Northampton State Hospital.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1917:—

CASH ACCOUNT.			
Balance Dec. 1, 1916,	.	.	\$2,994 54
<i>Receipts.</i>			
<i>Institution Receipts.</i>			
Board of inmates:—			
Private,	.	\$41,044 47	
Reimbursements, insane,	.	17,356 41	
		<hr/>	\$58,400 88
Salaries, wages and labor:—			
Labor of employees,	.	\$2 40	
Sales:—			
Travel, transportation and office expenses,	.	402 57	
Food,	.	375 18	
Clothing and materials,	.	311 56	
Furnishings and household supplies,	.	303 62	
Medical and general care,	.	17 72	
Farm and stable:—			
Cows and calves,	\$1,001 00		
Pigs and hogs,	1,631 60		
Bran sacks,	93 85		
	<hr/>	2,726 45	
Repairs, ordinary,	.	10 30	
		<hr/>	4,149 80
Miscellaneous receipts:—			
Interest on bank balances,	.	179 86	
		<hr/>	62,730 54
Sales, account of industries fund,	.	.	218 29
<i>Receipts from Treasury of Commonwealth.</i>			
Maintenance appropriations:—			
Balance of 1916,	.	\$9,281 62	
Advance money (amount on hand November 30),	.	6,000 00	
Approved schedules of 1917,	\$246,634 99		
Less returned to State Treasurer,	60 14		
	<hr/>	246,574 85	
		<hr/>	261,856 47
Total,	.	.	<hr/> \$327,799 84

Payments.

To treasury of Commonwealth: —

Institution receipts,	\$62,730 54
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Maintenance appropriations: —

Balance November schedule, 1916,	\$12,276 16
Eleven months' schedules, 1917,	246,634 99
November advances,	2,752 64
	<hr/>
	261,663 79

Industries fund: —

November advances,	218 29
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Balance Nov. 30, 1917: —

In bank,	\$570 68
In office,	2,616 54
	<hr/>
	3,187 22

Total,	\$327,799 84
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MAINTENANCE.

Appropriation, current year,	\$282,291 14
Balance from previous year, brought forward,	—

Total,	\$282,291 14
Expenses (as analyzed below),	270,294 51

Balance reverting to treasury of Commonwealth,	\$11,996 63
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Analysis of Expenses.

Salaries, wages: —

John A. Houston, superintendent,	\$4,000 00
General administration,	29,279 61
Medical service,	7,738 51
Ward service (male),	17,556 39
Ward service (female),	15,721 41
Repairs,	7,229 65
Farm and stable,	10,975 97
Grounds,	2,200 33
	<hr/>
	\$94,701 87

Religious instruction: —

Catholic,	\$600 00
Protestant,	638 35
	<hr/>
	1,238 35

Travel, transportation and office expenses: —

Advertising,	\$148 97
Postage,	562 75
Printing and binding,	293 00
Stationery and office supplies,	690 73
Telephone and telegraph,	656 49
Travel,	854 25
Freight,	188 28
	<hr/>
	3,394 47

Amount carried forward,	\$99,334 69
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Amount brought forward, \$99,334 69

Food:—

Butter,	\$6,148 67
Butterine,	4,376 97
Beans,	1,028 88
Bread, crackers, etc.,	755 86
Canned soups,	32 76
Cereals, rice, meal, etc.,	2,315 77
Cheese,	438 41
Eggs,	13,571 05
Flour,	9,353 37
Fish (fresh, cured and canned),	3,451 05
Fruit (fresh),	2,697 88
Fruit (dried and preserved),	1,434 43
Lard and substitutes,	720 12
Macaroni and spaghetti,	354 22
Meats,	13,964 51
Molasses and syrups,	527 23
Peanut butter, pie filling, etc.,	50
Potatoes,	212 12
Seasonings and condiments,	1,040 65
Sugar,	6,912 86
Tea, coffee, cocoa, etc.,	3,714 13
Vegetables (fresh),	97 14
Vegetables (canned and dried),	310 46
Yeast, baking powder, etc.,	428 68
Freight,	745 83

74,633 55

Clothing and materials:—

Boots, shoes and rubbers,	\$1,243 37
Clothing (outer),	1,648 60
Clothing (under),	276 66
Dry goods for clothing,	858 94
Hats and caps,	164 83
Leather and shoe findings,	149 45
Machinery for manufacturing,	3 11
Socks and smallwares,	1,424 62
Freight,	44 93

5,814 51

Furnishings and household supplies:—

Beds, bedding, etc.,	\$4,704 58
Carpets, rugs, etc.,	290 68
Crockery, glassware, cutlery, etc.,	695 00
Dry goods and smallwares,	338 86
Fire hose and extinguishers,	250 00
Furniture, upholstery, etc.,	76 87
Kitchen and household wares,	2,187 31
Laundry supplies and materials,	1,704 53
Lavatory supplies and disinfectants,	750 21
Machinery for manufacturing,	117 25
Table linen, paper napkins, towels, etc.,	441 63
Freight,	72 15
Electric lamps,	272 06

11,901 13

Amount carried forward, \$191,683 88

<i>Amount brought forward,</i>		\$191,683 88
Medical and general care: —		
Books, periodicals, etc.,	\$275 13	
Entertainments, games, etc.,	1,269 97	
Funeral expenses,	64 00	
Gratuities,	14 41	
Ice and refrigeration,	261 41	
Laboratory supplies and apparatus,	80 93	
Manual training supplies,	595 64	
Medicines (supplies and apparatus),	1,557 84	
Medical attendance (extra),	10 00	
Patients boarded out,	3,566 88	
Return of runaways,	100 81	
School books and supplies,	148 46	
Tobacco, pipes, matches,	251 56	
Water,	3,360 33	
Freight,	6 55	
		<hr/> 11,563 92
Heat, light and power: —		
Coal,	\$22,525 47	
Freight on coal and other expenses,	2,138 91	
Electricity,	124 00	
Gas,	76 10	
Oil,	316 24	
Operating supplies for boilers and engines,	114 77	
Freight,	260 31	
		<hr/> 25,555 80
Farm and stable: —		
Bedding materials,	\$1,029 30	
Blacksmithing and supplies,	1,002 30	
Carriages, wagons and repairs,	559 74	
Dairy equipment and supplies,	331 00	
Fencing materials,	23 08	
Fertilizers,	108 50	
Grain, etc.,	21,917 15	
Hay,	52 35	
Harnesses and repairs,	314 93	
Cows,	64 00	
Other live stock,	1,504 60	
Labor (not on pay roll),	38 39	
Rent,	160 00	
Spraying materials,	143 75	
Stable and barn supplies,	114 30	
Tools, implements, machines, etc.,	638 87	
Trees, vines, seeds, etc.,	1,049 14	
Veterinary services, supplies, etc.,	104 75	
Freight,	546 88	
		<hr/> 29,703 03
Grounds: —		
Tools, implements, machines, etc.,	\$7 60	
Trees, vines, shrubs, seeds, etc.,	268 76	
Freight,	2 06	
		<hr/> 278 42
<i>Amount carried forward,</i>		\$258,785 05

Amount brought forward, \$258,785 05

Repairs, ordinary: —

Brick,	\$24 00	
Cement, lime, crushed stone, etc.,	442 86	
Electrical work and supplies,	846 55	
Hardware, iron, steel, etc.,	1,147 91	
Labor (not on pay roll),	769 03	
Lumber, etc. (including finished products),	1,793 43	
Paint, oil, glass, etc.,	1,901 22	
Plumbing and supplies,	1,313 63	
Roofing and materials,	174 84	
Steam fittings and supplies,	1,519 44	
Tools, machines, etc.,	90 65	
Boilers, repairs,	196 98	
Engines, repairs,	476 76	
Freight,	123 44	
		<hr/>
		10,820 74

Repairs and renewals: —

Renew plumbing,	688 72	
		<hr/>

Total expenses for maintenance, \$270,294 51

RESOURCES AND LIABILITIES.

Resources.

Cash on hand,	\$3,187 22	
November cash vouchers (paid from advance money), account of maintenance,	2,752 64	
Not used and returned to State Treasurer,	60 14	
Due from treasury of Commonwealth from available appropriation, account of November, 1917, schedule,	17,659 52	
		<hr/>
		\$23,659 52

Liabilities.

Schedule of November bills,	\$23,659 52	
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PER CAPITA.

During the year the average number of inmates has been 994.42.

Total cost for maintenance, \$270,294.51.

Equal to a weekly per capita cost of \$5.21.

Receipt from sales, \$4,147.40.

Equal to a weekly per capita of \$0.079.

All other institution receipts, \$58,583.14.

Equal to a weekly per capita of \$1.12.

Respectfully submitted,

LEWIS F. BABBITT,

Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

ALONZO B. COOK,

Auditor.

STATISTICAL TABLES

AS ADOPTED BY AMERICAN MEDICO-PSYCHOLOGICAL
ASSOCIATION.

PRESCRIBED BY MASSACHUSETTS COMMISSION ON MENTAL DISEASES.



TABLE 1. — *General Information.*

1. Date of opening as an institution for the insane: Aug. 16, 1858.	
2. Type of institution: State.	
3. Hospital plant: —	
Value of hospital property, }	
Real estate, including buildings, }	\$865,011 00
Personal property,	125,385 51
Total,	\$990,396 51

Total acreage of hospital property, 511.

Acreage under cultivation during year, 210.

4. Medical service: —	Men.	Women.	Total.
Superintendents,	1	—	1
Assistant physicians,	2	3	5
Medical internes,	—	—	—
Clinical assistants,	—	—	—
Total,	3	3	6

5. Employees: —	Males.	Females.	Total.
Graduate nurses,	—	4	4
Other nurses and attendants,	33	26	59
Social workers,	—	1	1
All other employees,	90	—	90
Total,	123	31	154

6. Percentage of patients employed during year, .	Men.	Women.	Total.
	73.61	43.72	58.58

TABLE 2. — *Financial Statement.*

See treasurer's report for data requested under this table.

TABLE 3. — *Movement of Patient Population for the Year ending Sept. 30, 1917.*

	INSANE.			OTHER CLASSES.						TOTAL ON BOOKS.		
				SANE, VOLUNTARY.			INEBRIATES.			Males.	Females.	Totals.
				Males.	Females.	Totals.	Males.	Females.	Totals.			
1. Patients on books of institution Sept. 30, 1916,	557	565	1,122	—	—	—	—	—	—	557	565	1,122
Admissions during year: —												
(a) First admissions,	219	162	381	—	—	—	—	—	—	219	163	382
(b) Readmissions,	52	44	96	—	—	—	—	—	—	52	46	98
Total admissions,	271	206	477	—	—	—	—	—	—	271	209	480
(c) Transfers from other institutions for the insane,	1	1	2	—	—	—	—	—	—	1	1	2
2. Total received during year,	272	207	479	—	—	—	—	—	—	272	210	482
3. Total under treatment during year,	829	772	1,601	—	—	—	—	—	—	829	775	1,604
Discharged from books during year: —												
(a) As recovered,	45	30	75	—	—	—	—	—	—	45	30	75
(b) As improved,	67	45	112	—	—	—	—	—	—	67	45	112
(c) As unimproved,	21	20	41	—	—	—	—	—	—	21	20	41
(d) As not insane,	10	9	19	—	—	—	—	—	—	10	10	20
(e) Transferred to other institutions for the insane,	45	66	111	—	—	—	—	—	—	45	68	113
(f) Died during year,	75	50	125	—	—	—	—	—	—	75	50	125
4. Total discharged from books during year,	263	220	483	—	—	—	—	—	—	263	223	486
5. Patients remaining on books of institution Sept. 30, 1917,	566	552	1,118	—	—	—	—	—	—	566	552	1,118
<i>Supplementary Data.</i>												
6a. Average daily number of patients on books during year,	548.87	562.79	1,111.66	—	—	—	—	—	—	548.87	563.22	1,112.09
6b. Average daily number of patients actually in institution during year,	479.54	484.87	964.41	—	—	—	—	—	—	479.54	485.22	964.76
7a. Average daily number of patients in family care,	3.43	28.55	31.98	—	—	—	—	—	—	3.43	28.55	31.98
7b. Average daily number of patients on visit and escape,	65.90	49.37	115.27	—	—	—	—	—	—	65.90	49.45	115.35
8. Number of voluntary patients admitted during year,	19	5	24	—	—	—	—	—	—	19	6	25
9. Number of temporary-care cases admitted within the year,	90	73	163	—	—	—	—	—	—	90	73	163
10. Number of patients actually remaining in institution Sept. 30, 1917,	475	474	949	—	—	—	—	—	—	475	474	949
State,	409	323	732	—	—	—	—	—	—	409	323	732
Reimbursing,	34	52	86	—	—	—	—	—	—	34	52	86
Private,	32	99	131	—	—	—	—	—	—	32	99	131

TABLE 4. — *Nativity of First Admissions and of Parents of First Admissions.*

NATIVITY.	PATIENTS.			PARENTS OF MALE PATIENTS.			PARENTS OF FEMALE PATIENTS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
United States,	123	95	218	72	74	146	56	59	115
Austria,	14	5	19	13	13	26	6	6	12
Canada,	13	11	24	30	25	55	16	13	29
England,	5	2	7	9	7	16	3	3	6
Finland,	—	1	1	—	—	—	1	1	2
Germany,	2	4	6	4	4	8	7	6	13
Greece,	2	1	3	2	2	4	1	1	2
Ireland,	21	28	49	47	50	97	52	52	104
Italy,	8	5	13	8	8	16	5	5	10
Portugal,	1	1	2	1	1	2	1	1	2
Russia,	20	8	28	20	20	40	9	8	17
Scotland,	6	1	7	6	7	13	4	5	9
Sweden,	—	—	—	—	—	—	1	1	2
Switzerland,	2	—	2	2	2	4	—	—	—
Turkey in Asia,	2	—	2	2	2	4	—	—	—
Total foreign born,	96	67	163	144	141	285	106	102	208
Unascertained,	—	—	—	3	4	7	—	1	1
Grand total,	219	162	381	219	219	438	162	162	324

TABLE 5. — *Citizenship of First Admissions.*

	Males.	Females.	Totals.
Citizens by birth,	122	94	216
Citizens by naturalization,	51	25	76
Aliens,	45	32	77
Citizenship unascertained,	1	11	12
Total,	219	162	381

TABLE 6. — *Psychoses of First Admissions.*

PSYCHOSES.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic, . . . . .	.	.	.	2	1	3
2. Senile, total, . . . . .	.	.	.	20	10	30
(a) Simple deterioration,	9	3	12			
(b) Presbyophrenic type,	4	.	6			
(c) Delirious and confused states,	1	—	1			
(d) Depressed and agitated states in addition to deterioration,	6	3	9			
(e) Paranoid states in addition to deterioration,	—	2	2			
3. With cerebral arteriosclerosis, . . . . .	.	.	.	16	11	27
4. General paralysis, . . . . .	.	.	.	15	2	17
5. With cerebral syphilis, . . . . .	.	.	.	3	3	6
6. With Huntington's chorea, . . . . .	.	.	.	1	—	1
7. With brain tumor, . . . . .	.	.	.	—	—	—
8. With other brain or nervous diseases, total, . . . . .	.	.	.	1	6	7
Paralysis agitans,	—	1	1			
Multiple sclerosis,	—	1	1			
Tabes,	—	2	2			
Cerebrospinal syphilis,	—	2	2			
Brain abscess,	1	—	1			
9. Alcoholic, total, . . . . .	.	.	.	56	19	75
(a) Pathological intoxication,	—	2	2			
(b) Delirium tremens,	12	1	13			
(c) Acute hallucinosis,	32	3	35			
(d) Acute paranoid type,	1	1	2			
(e) Korsakow's psychosis,	3	1	4			
(f) Chronic hallucinosis,	4	3	7			
(g) Chronic paranoid type,	1	7	8			
(h) Alcoholic deterioration,	3	1	4			
10. Due to drugs and other exogenous toxins, . . . . .	.	.	.	—	—	—
11. With pellagra, . . . . .	.	.	.	—	1	1
12. With other somatic diseases, total, . . . . .	.	.	.	7	9	16
(a) Delirium with infectious disease,	1	1	2			
(b) Post-infectious psychoses,	2	—	2			
(c) Exhaustion delirium,	2	3	5			
(d) Delirium of unknown origin,	1	2	3			
(e) Diseases of the ductless glands,	—	1	1			
(f) Cardiorenal disease,	—	2	2			
(g) Cancer,	1	—	1			
13. Manic-depressive, total, . . . . .	.	.	.	29	21	50
(a) Manic type,	11	4	15			
(b) Depressive type,	14	11	25			
(c) Stupor,	—	1	1			
(d) Mixed type,	4	4	8			
(e) Circular type,	—	1	1			
14. Involution melancholia, . . . . .	.	.	.	5	9	14
15. Dementia præcox, total, . . . . .	.	.	.	37	55	92
(a) Paranoid type,	3	18	21			
(b) Katatonic type,	8	23	31			
(c) Hebephrenic type,	23	7	30			
(d) Simple type,	3	7	10			
16. Paranoia and paranoic conditions, . . . . .	.	.	.	1	—	1
17. Psychoneuroses, total, . . . . .	.	.	.	4	3	7
(a) Hysterical type,	1	1	2			
(b) Psychasthenic type,	1	1	2			
(c) Neurasthenic type,	2	1	3			
18. With mental deficiency, . . . . .	.	.	.	9	—	9
19. With constitutional psychopathic inferiority, . . . . .	.	.	.	—	1	1
20. Epileptic, total, . . . . .	.	.	.	1	1	2
(a) Deterioration,	1	1	2			
21. Undiagnosed, . . . . .	.	.	.	—	—	—
22. Not insane, total, . . . . .	.	.	.	12	10	22
(a) Epilepsy without psychosis,	1	—	1			
(b) Alcoholism without psychosis,	4	—	4			
(c) Drug addiction without psychosis,	3	—	3			
(d) Constitutional psychopathic inferiority without psychosis,	2	3	5			
(e) Mental deficiency without psychosis,	2	7	9			
Total, . . . . .	.	.	.	219	162	381

TABLE 7. — *Race of First Admissions classified with Reference to Psychoses.*

RACE.	TOTAL.			PSYCHOSES.																	
	Males.	Females.	Totals.	TRAUMATIC.			SENILE.			WITH CEREBRAL ARTERIO-SCLEROSIS.			GENERAL PARALYSIS.			WITH CEREBRAL SYPHILIS.			WITH HUNTINGTON'S CHOREA.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
African,	1	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armenian,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English,	9	8	17	-	2	2	-	2	-	1	1	2	2	-	-	-	-	-	-	-	-
Finnish,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
French,	22	10	32	-	2	2	2	2	-	1	1	2	2	-	-	-	-	-	-	-	-
German,	6	5	11	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greek,	2	1	3	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew,	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Irish,	51	52	103	2	3	10	7	3	10	1	1	2	2	1	3	1	2	3	1	1	2
Italian,	8	5	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magyar,	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese,	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian,	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scotch,	9	4	13	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic,	31	11	42	-	-	-	3	-	-	1	-	1	1	-	1	-	-	-	-	-	-
Syrian,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed,	75	56	131	-	1	1	7	5	12	12	8	20	7	-	7	1	1	2	-	-	-
Total,	219	162	381	2	1	3	20	10	30	16	11	27	15	2	17	3	3	6	1	-	1

TABLE 7. — *Race of First Admissions classified with Reference to Psychoses — Concluded.*

RACE.	PSYCHOSES.											
	PARANOIA AND PARANOID CONDITIONS.			PSYCHONEUROSES.			WITH MENTAL DEFICIENCY.			WITH CONSTITUTIONAL PSYCHOPATHIC INFERIORITY.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
African, .	1	-	1	-	-	-	-	-	-	-	-	-
Armenian, .	-	-	-	-	-	-	-	-	-	-	-	-
English, .	-	-	-	-	-	-	-	-	-	-	-	-
Finnish, .	-	-	-	-	-	-	-	-	-	-	-	-
French, .	-	-	-	-	-	-	-	-	-	-	-	-
German, .	-	-	-	1	-	1	1	-	1	1	-	2
Greek, .	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew, .	-	-	-	1	-	1	1	-	1	-	-	1
Irish, .	-	-	-	-	-	-	-	-	-	-	-	-
Italian, .	1	-	1	-	-	-	-	-	-	-	-	-
Macyar, .	-	-	-	-	-	-	-	-	-	-	-	-
Portuguese, .	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian, .	-	-	-	-	-	-	-	-	-	-	-	-
Scotch, .	-	-	-	1	-	1	1	-	1	-	-	1
Slavonic, .	-	-	-	-	-	-	-	-	-	-	-	-
Syrian, .	-	-	-	2	-	2	6	-	6	-	-	6
Mixed, .	-	-	-	1	1	2	-	-	-	1	1	2
Total, .	1	-	1	4	3	7	9	-	9	-	1	1
	12	10	22	15	4	19	9	1	10	1	1	2
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.

TABLE 9. — Degree of Education of First Admissions classified with Reference to Psychoses.

PSYCHOSES.	TOTAL.			ILLITERATE.			READS AND WRITES.			COMMON SCHOOL.			HIGH SCHOOL.			COLLEGE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	2	1	3	-	2	2	1	6	1	1	2	2	-	-	-	-	-	-	-	-	-
2. Senile,	20	10	30	-	2	2	1	12	12	14	2	16	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis,	16	11	27	-	2	2	2	4	6	13	4	17	-	-	-	-	-	-	-	1	1
4. General paralysis,	15	2	17	-	2	2	-	-	-	14	2	16	-	-	-	-	-	-	-	1	1
5. With cerebral syphilis,	3	3	6	-	1	1	-	-	-	3	1	4	-	-	-	-	-	-	-	1	1
6. With Huntington's chorea,	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
7. With brain tumor,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases,	1	6	7	-	-	-	-	-	1	1	5	6	-	-	-	-	-	-	-	-	-
9. Alcoholic,	56	19	75	7	3	10	17	6	23	31	10	41	-	-	-	1	-	1	-	-	-
10. Due to drugs and other exogenous toxins,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra,	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases,	7	9	16	1	2	3	1	3	4	5	1	9	-	-	-	-	-	-	-	-	-
13. Manic-depressive,	29	21	50	5	1	6	3	3	6	20	13	33	1	4	5	-	-	-	-	-	-
14. Involution melancholia,	5	9	14	-	-	-	2	2	2	5	7	12	-	-	-	-	-	-	-	-	-
15. Dementia precox,	37	55	92	2	10	12	4	8	12	28	31	59	2	6	8	1	-	1	-	-	-
16. Paranoia and paranoic conditions,	1	-	1	-	-	-	1	-	1	-	4	6	-	-	-	-	-	-	-	-	-
17. Psychoneuroses,	4	3	7	-	-	-	-	-	-	-	2	3	-	-	-	-	-	-	-	-	-
18. With mental deficiency,	9	1	10	3	-	3	3	-	3	3	-	3	-	-	-	-	-	-	-	-	-
19. With constitutional psychopathic inferiority,	-	1	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
20. Epileptic,	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Not insane,	12	10	22	1	3	4	3	2	5	5	3	8	3	2	5	-	-	-	-	-	-
Total,	219	162	381	19	24	43	41	36	77	149	86	235	8	14	22	2	-	2	-	2	2

TABLE 10. — *Environment of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			URBAN.			RURAL.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	2	1	3	2	-	2	-	1	1
2. Senile,	20	10	30	13	3	16	7	7	14
3. With cerebral arteriosclerosis,	16	11	27	10	6	16	6	5	11
4. General paralysis,	15	2	17	12	2	14	3	-	3
5. With cerebral syphilis,	3	3	6	2	2	4	1	1	2
6. With Huntington's chorea,	1	-	1	1	-	1	-	-	-
7. With brain tumor,	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases,	1	6	7	1	4	5	-	2	2
9. Alcoholic,	56	19	75	42	11	53	14	8	22
10. Due to drugs and other exogenous toxins,	-	-	-	-	-	-	-	-	-
11. With pellagra,	-	1	1	-	1	1	-	-	-
12. With other somatic diseases,	7	9	16	4	4	8	3	5	8
13. Manic-depressive,	29	21	50	19	15	34	10	6	16
14. Involution melancholia,	5	9	14	2	6	8	3	3	6
15. Dementia præcox,	37	55	92	26	29	55	11	26	37
16. Paranoia and paranoic conditions,	1	-	1	-	-	-	1	-	1
17. Psychoneuroses,	4	3	7	2	2	4	2	1	3
18. With mental deficiency,	9	-	9	3	-	3	6	-	6
19. With constitutional psychopathic inferiority,	-	1	1	-	-	-	-	1	1
20. Epileptic,	1	1	2	1	-	1	-	1	1
21. Undiagnosed,	-	-	-	-	-	-	-	-	-
22. Not insane,	12	10	22	8	4	12	4	6	10
Total,	219	162	381	148	89	237	71	73	144

TABLE 11. — *Economic Condition of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			DEPENDENT.			MARGINAL.			COMFORTABLE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	2	1	3	-	-	-	2	-	2	-	1	1	-	-	-
2. Senile,	20	10	30	12	5	17	6	7	13	4	3	7	-	-	-
3. With cerebral arteriosclerosis,	16	11	27	6	7	13	6	2	8	2	2	4	-	-	-
4. General paralysis,	15	2	17	-	-	-	13	2	15	2	2	4	-	-	-
5. With cerebral syphilis,	3	3	6	-	1	1	3	2	5	-	-	2	-	-	-
6. With Huntington's chorea,	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-
7. With brain tumor,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases,	1	6	7	-	-	-	1	-	4	-	-	3	-	-	-
9. Alcoholic,	56	19	75	-	3	3	52	9	61	2	5	7	2	2	4
10. Due to drugs and other exogenous toxins,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra,	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-
12. With other somatic diseases,	7	9	16	1	3	4	5	4	9	1	2	3	-	1	1
13. Manic-depressive,	29	21	50	1	1	2	26	18	44	1	1	2	1	-	-
14. Involution melancholia,	5	9	14	-	1	1	4	4	8	1	4	5	-	-	-
15. Dementia precox,	37	55	92	10	12	22	24	31	55	1	9	10	2	3	5
16. Paranoia and paranoic conditions,	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-
17. Psychoneuroses,	4	3	7	1	1	2	2	1	3	1	1	2	-	-	-
18. With mental deficiency,	9	-	9	3	3	6	4	-	4	1	-	1	1	-	-
19. With constitutional psychopathic inferiority,	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-
20. Epileptic,	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Not insane,	12	10	22	3	3	6	9	5	14	-	2	2	-	-	-
Total,	219	162	381	37	37	74	159	86	245	17	33	50	6	6	12

TABLE 12. — *Use of Alcohol by First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			ABSTINENT.			TEMPERATE.			INTERTEMPERATE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	2	1	3	-	1	1	1	-	1	1	-	1	-	-	-
2. Senile,	20	10	30	-	7	7	13	-	13	7	2	9	-	1	1
3. With cerebral arteriosclerosis,	16	11	27	-	8	8	14	-	16	2	2	2	-	1	1
4. General paralysis,	15	2	17	-	-	-	13	-	13	2	2	4	-	-	-
5. With cerebral syphilis,	3	3	6	-	1	1	2	2	4	1	-	1	-	-	-
6. With Huntington's chorea,	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-
7. With brain tumor,	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-
8. With other brain or nervous diseases,	1	6	7	-	2	2	1	3	4	-	1	1	-	-	-
9. Alcoholic,	56	19	75	-	-	-	-	-	-	56	19	75	-	-	-
10. Due to drugs and other exogenous toxins,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra,	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-
12. With other somatic diseases,	7	9	16	-	5	5	5	3	8	2	-	2	-	1	1
13. Manic-depressive,	29	21	50	3	16	19	16	1	17	10	3	13	-	1	1
14. Involution melancholia,	5	9	14	2	9	11	3	-	3	-	-	-	-	-	-
15. Dementia praecox,	37	55	92	4	42	46	29	8	37	4	3	7	-	2	2
16. Paranoia and paranoid conditions,	1	-	1	-	-	-	1	-	-	-	-	-	-	-	-
17. Psycho-neuroses,	4	3	7	-	3	3	2	-	2	2	-	2	-	-	-
18. With mental deficiency,	9	1	10	2	1	3	6	-	6	1	-	1	-	-	-
19. With constitutional psychopathic inferiority,	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-
20. Epileptic,	1	1	2	-	1	1	-	-	-	-	-	-	-	-	-
21. Undiagnosed,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Not insane,	12	10	22	3	5	8	-	3	3	9	2	11	-	-	-
Total,	219	162	381	14	102	116	107	22	129	98	32	130	-	6	6

TABLE 13. — *Marital Condition of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.		SINGLE.		MARRIED.		WIDOWED.		SEPARATED.		DIVORCED.		UNASCERTAINED.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.
1. Traumatic,	2	1	1	1	1	1	1	1	1	1	1	1	1	1
2. Senile,	20	10	2	2	7	2	11	6	1	1	1	1	1	1
3. With cerebral arteriosclerosis,	16	11	4	2	12	1	4	7	1	1	1	1	1	1
4. General paralysis,	15	2	1	1	11	2	1	1	1	1	1	1	1	1
5. With cerebral syphilis,	3	3	1	1	3	2	1	1	1	1	1	1	1	1
6. With Huntington's chorea,	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7. With brain tumor,	1	6	1	1	1	3	1	1	1	1	1	1	1	1
8. With other brain or nervous diseases,	56	19	23	2	28	13	4	4	1	1	1	1	1	1
9. Alcoholic,	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10. Due to drugs and other exogenous toxins,	7	0	2	3	5	3	1	3	1	1	1	1	1	1
11. With pellagra,	29	21	11	10	15	11	2	2	1	1	1	1	1	1
12. With other somatic diseases,	5	9	1	3	4	4	8	2	1	1	1	1	1	1
13. Manic-depressive,	37	55	27	30	7	19	2	2	2	2	2	2	1	1
14. Involution melancholia,	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15. Dementia præcox,	4	3	2	2	2	2	1	1	1	1	1	1	1	1
16. Paranoia and paranoid conditions,	9	4	7	7	2	2	1	1	1	1	1	1	1	1
17. Psychoneuroses,	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18. With mental deficiency,	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19. With constitutional psychopathic inferiority,	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20. Epileptic,	12	10	8	5	2	3	2	2	1	1	1	1	1	1
21. Undiagnosed,	219	162	89	62	102	65	25	28	4	3	3	3	3	3
22. Not insane,	381	22	13	13	5	5	4	4	1	1	1	1	1	1
Total,	219	162	89	62	102	65	25	28	4	3	3	3	3	3

TABLE 14. — *Psychoses of Readmissions.*

PSYCHOSES.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	-	-	-	-	-	-
2. Senile, total,	-	-	-	1	1	2
(a) Simple deterioration,	1	-	1	-	-	-
(b) Presbyophrenic type,	-	1	1	-	-	-
3. With cerebral arteriosclerosis,	-	-	-	1	-	1
4. General paralysis,	-	-	-	1	1	2
5. With cerebral syphilis,	-	-	-	-	-	-
6. With Huntington's chorea,	-	-	-	-	-	-
7. With brain tumor,	-	-	-	-	-	-
8. With other brain or nervous diseases,	-	-	-	-	-	-
9. Alcoholic, total,	-	-	-	12	3	15
(b) Delirium tremens,	1	-	1	-	-	-
(c) Acute hallucinosis,	9	1	10	-	-	-
(d) Acute paranoid type,	1	-	1	-	-	-
(g) Chronic paranoid type,	-	1	1	-	-	-
(h) Alcoholic deterioration,	1	-	1	-	-	-
(i) Pseudo-paresis,	-	1	1	-	-	-
10. Due to drugs and other exogenous toxins,	-	-	-	-	-	-
11. With pellagra,	-	-	-	-	-	-
12. With other somatic diseases, total,	-	-	-	-	4	4
(a) Delirium with infectious disease,	-	1	1	-	-	-
(b) Post-infectious psychoses,	-	1	1	-	-	-
(e) Diseases of the ductless glands,	-	1	1	-	-	-
(g) Cancer,	-	1	1	-	-	-
13. Manic-depressive, total,	-	-	-	21	11	32
(a) Manic type,	12	5	17	-	-	-
(b) Depressive type,	6	4	10	-	-	-
(d) Mixed type,	1	-	1	-	-	-
(e) Circular type,	2	2	4	-	-	-
14. Involution melancholia,	-	-	-	1	-	1
15. Dementia præcox, total,	-	-	-	9	22	31
(a) Paranoid type,	1	11	12	-	-	-
(b) Katatonic type,	2	9	11	-	-	-
(c) Hebephrenic type,	5	2	7	-	-	-
(d) Simple type,	1	-	1	-	-	-
16. Paranoia and paranoic conditions,	-	-	-	-	-	-
17. Psychoneuroses, total,	-	-	-	1	-	1
(b) Psychasthenic type,	1	-	1	-	-	-
18. With mental deficiency,	-	-	-	-	-	-
19. With constitutional psychopathic inferiority,	-	-	-	2	-	2
20. Epileptic,	-	-	-	1	-	1
(a) Deterioration,	1	-	1	-	-	-
21. Undiagnosed,	-	-	-	-	-	-
22. Not insane, total,	-	-	-	2	2	4
(a) Epilepsy without psychosis,	1	-	1	-	-	-
(c) Drug addiction without psychosis,	1	-	1	-	-	-
(e) Mental deficiency without psychosis,	-	2	2	-	-	-
Total,	-	-	-	52	44	96

TABLE 15. — Discharges of Patients classified with Reference to Principal Psychoses and Condition of Discharge.

Psychoses.	TOTAL.			RECOVERED.			IMPROVED.			UNIMPROVED.			NOT INSANE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	1	2	3				1	1	2	1	1	2	1	1	2
2. Senile,	3	4	7				2	2	4	1	2	3	1	1	2
3. With cerebral arteriosclerosis,	3	5	8				2	2	4	1	1	2	1	1	2
4. General paralysis,	3	2	5				3	2	5	3		3	3		3
5. With cerebral syphilis,															
6. With Huntington's chorea,															
7. With brain tumor,															
8. With other brain or nervous diseases,		1	1						1						
9. Alcoholic,	53	11	64	35	5	40	17	6	23	1	1	2	1	1	2
10. Due to drugs and other exogenous toxins,															
11. With pellagra,		1	1					1	1						
12. With other somatic diseases,	2	8	10	1	5	6		1	1	1	2	3	1	1	2
13. Manic-depressive,	29	29	58	9	18	27	16	7	23	4	4	8	2	2	4
14. Involution melancholia,	1	6	7		2	2	1	1	2		3	3			3
15. Dementia precox,	26	26	52				19	20	39	7	6	13			13
16. Paranoia and paranoic conditions,		3	3					2	2	3	1	4			4
17. Psychoneuroses,	3	3	6				3		3						
18. With mental deficiency,															
19. With constitutional psychopathic inferiority,															
20. Epileptic,	1	1	2				1		1		1	1			1
21. Undiagnosed,	10	9	19										10	9	19
22. Not insane,															
Total,	143	104	247	45	30	75	67	45	112	21	20	41	10	9	19

TABLE 16. — *Causes of Death of Patients classified with Reference to Principal Psychoses.*

[illegible]

TABLE 17. — Age of Patients at Time of Death classified with Reference to Principal Psychoses.

PSYCHOSES.	TOTAL.			YEARS.																				
	Males.	Females.	Totals.	UNDER 15.			15-20.			20-25.			25-30.			30-35.			35-40.			40-45.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			
1. Traumatic,	23	9	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2. Senile,	10	13	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3. With cerebral arteriosclerosis,	12	2	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4. General paralysis,	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5. With cerebral syphilis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6. With Huntington's chorea,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7. With brain tumor,	1	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8. With other brain or nervous diseases,	6	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9. Alcoholic,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10. Due to drugs and other exogenous toxins,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11. With pellagra,	3	8	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12. With other somatic diseases,	8	2	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
13. Manic-depressive,	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14. Involution melancholia,	6	9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15. Dementia precox,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
16. Paranoia and paranoid conditions,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
17. Psychoneuroses,	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18. With mental deficiency,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
19. With constitutional psychopathic inferiority,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20. Epileptic,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21. Undiagnosed,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22. Not insane,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total,	75	50	125	-	-	-	-	-	-	1	-	1	2	3	5	4	3	7	7	-	7	8	2	10

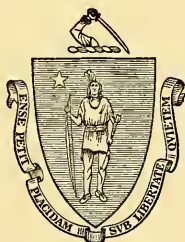
TABLE 18. — *Total Duration of Hospital Life of Patients Dying in Hospital classified According to Psychoses.*

PSYCHOSES.	TOTAL.		MONTHS.												YEARS.					
			LESS THAN 1.			1-3.			4-7.			8-12.			1-2.		3-4.		5-10.	
	Males.	Females.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	23	9	2	1	3	7	1	8	4	3	7	1	1	2	4	3	7	2	3	5
2. Senile,	10	13	4	1	5	1	3	4	3	4	7	1	2	3	1	1	2	1	2	3
3. With cerebral arteriosclerosis,	12	2	1	1	2	1	1	2	2	1	3	1	1	2	2	2	3	1	1	2
4. General paralysis,	1	2	1	1	2	1	1	2	3	3	6	1	1	2	2	2	3	1	1	2
5. With cerebral syphilis,	1	2	1	1	2	1	1	2	3	3	6	1	1	2	2	2	3	1	1	2
6. With Huntington's chorea,	1	2	1	1	2	1	1	2	3	3	6	1	1	2	2	2	3	1	1	2
7. With brain tumor,	1	3	3	1	4	1	1	2	3	3	6	1	1	2	2	2	3	1	1	2
8. With other brain or nervous diseases,	6	1	3	1	4	1	1	2	3	3	6	1	1	2	2	2	3	1	1	2
9. Alcoholic,	1	7	1	1	2	1	1	2	3	3	6	1	1	2	2	2	3	1	1	2
10. Due to drugs and other exogenous toxins,	1	1	1	1	2	1	1	2	3	3	6	1	1	2	2	2	3	1	1	2
11. With pellagra,	3	8	1	2	3	1	1	2	3	1	4	1	1	2	2	2	3	1	1	2
12. With other somatic diseases,	8	2	1	2	3	1	1	2	3	1	4	1	1	2	2	2	3	1	1	2
13. Manic-depressive,	1	1	1	2	3	1	1	2	3	1	4	1	1	2	2	2	3	1	1	2
14. Involution melancholia,	6	1	1	1	2	1	1	2	3	1	4	1	1	2	2	2	3	1	1	2
15. Dementia precox,	1	1	1	1	2	1	1	2	3	1	4	1	1	2	2	2	3	1	1	2
16. Paranoia and paranoid conditions,	1	1	1	1	2	1	1	2	3	1	4	1	1	2	2	2	3	1	1	2
17. Psychoneuroses,	3	3	1	1	2	1	1	2	3	1	4	1	1	2	2	2	3	1	1	2
18. With mental deficiency,	1	1	1	1	2	1	1	2	3	1	4	1	1	2	2	2	3	1	1	2
19. With constitutional psychopathic inferiority,	1	1	1	1	2	1	1	2	3	1	4	1	1	2	2	2	3	1	1	2
20. Epileptic,	1	1	1	1	2	1	1	2	3	1	4	1	1	2	2	2	3	1	1	2
21. Undiagnosed,	1	1	1	1	2	1	1	2	3	1	4	1	1	2	2	2	3	1	1	2
22. Not insane,	1	1	1	1	2	1	1	2	3	1	4	1	1	2	2	2	3	1	1	2
Total,	75	50	13	8	21	14	6	20	13	3	16	4	3	7	10	14	24	10	6	13

TABLE 19.—*Family Care Department.*

	Males.	Females.	Totals.
Remaining Oct. 1, 1916,	5	32	37
Committed within the year,	2	6	8
Whole number of cases within the year, . . .	7	38	45
Dismissed within the year,	3	13	16
Returned to institution,	2	13	15
Discharged,	—	—	—
Escaped,	1	—	1
Remaining Sept. 30, 1917,	4	25	29
Supported by the State,	—	17	17
Private,	3	6	9
Self-supporting,	1	2	3
Number of different persons within the year, . .	7	36	43
Number of different persons admitted, . . .	2	4	6
Number of different persons dismissed, . . .	3	12	15
Daily average number,	3.43	28.55	31.98
State,	—	21.14	21.14
Private,	2.14	5.84	7.98
Self-supporting,	1.29	1.57	2.86

SIXTY-THIRD ANNUAL REPORT
OF
THE TRUSTEES
OF THE
NORTHAMPTON STATE HOSPITAL
FOR THE
YEAR ENDING NOVEMBER 30, 1918



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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

MISS CAROLINE A. YALE,	.	.	.	NORTHAMPTON.
LUKE CORCORAN, M.D.,	.	.	.	SPRINGFIELD.
MR. JOHN McQUAID, <i>Chairman</i> ,	.	.	.	PITTSFIELD.
MR. EDWARD C. GERE,	.	.	.	NORTHAMPTON.
MR. HARRY L. HOWARD,	.	.	.	HATFIELD.
MR. JOSEPH W. STEVENS, <i>Secretary</i> ,	.	.	.	GREENFIELD.
MRS. EMILY N. NEWTON,	.	.	.	HOLYOKE.

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,	.	.	.	<i>Superintendent.</i>
EDWARD W. WHITNEY, M.D.,	.	.	.	<i>First Assistant Physician.</i>
ANGELA BOBER, M.D.,	.	.	.	<i>Senior Assistant Physician.</i>
ARTHUR N. BALL, M.D., ¹	.	.	.	<i>Assistant Physician.</i>
— — — — —,	.	.	.	<i>Assistant Physician.</i>
— — — — —,	.	.	.	<i>Assistant Physician.</i>
— — — — —,	.	.	.	<i>Assistant Physician.</i>
HARRIET W. WHITNEY, M.D.,	.	.	.	<i>Physician to Out-patient and Social Service De- partments.</i>

NONRESIDENT OFFICERS.

MR. LEWIS F. BABBITT,	.	.	.	<i>Treasurer and Clerk (office at the hospital).</i>
P. W. STONE, D.D.S., ¹	.	.	.	<i>Dentist.</i>

HEADS OF DEPARTMENTS.

MR. L. W. SINCLAIR,	.	.	.	<i>Engineer.</i>
MR. R. OLIN ROBIE,	.	.	.	<i>Farmer.</i>
MISS S. E. WARREN,	.	.	.	<i>Matron.</i>
— — — — —,	.	.	.	<i>Director of Occupation Therapy.</i>

CONSULTING BOARD OF PHYSICIANS AND SURGEONS.

E. A. BATES, M.D.,	.	.	.	SPRINGFIELD.
E. W. BROWN, M.D.,	.	.	.	NORTHAMPTON.
W. J. COLLINS, M.D.,	.	.	.	NORTHAMPTON.
C. R. GARDNER, M.D.,	.	.	.	NORTHAMPTON.
D. E. HARRIMAN, M.D.,	.	.	.	SPRINGFIELD.
R. H. SEELYE, M.D.,	.	.	.	SPRINGFIELD.
H. T. SHORES, M.D.,	.	.	.	NORTHAMPTON.

¹ On leave of absence.

The Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency CALVIN COOLIDGE, *Governor of the Commonwealth, and the Honorable Council.*

The trustees of the Northampton State Hospital herewith present their annual report for the year ending Nov. 30, 1918.

The reports of the superintendent and of the treasurer, which accompany our report, show respectively the administrative and financial details for the year.

An appropriation of \$295,202.03 was made for the maintenance of 980 patients, which amount was later augmented by the sum of \$16,278.11 appropriated and expended for the special purpose of purchasing an adequate supply of coal while the uncertainties of war and of peace were still existent. The daily average number of patients actually maintained was 985.18 at an expenditure of \$306,491.33 for the year. An unexpended balance of \$4,988.81 reverted to the State treasury.

Our receipts during the year were as follows: from board of patients, \$57,586.75; from sales, \$2,184.09; from miscellaneous sources, \$1,008.18; making a total of \$60,779.02.

Deducting the receipts from the expenditures leaves \$245,712.31, the cost to the State of maintenance for the year, equivalent to a net weekly per capita cost of \$4.79.

In order to live within the maintenance appropriations it has been necessary to economize more than was wise or advisable in certain directions, especially in the making of repairs. Temporary savings may be made more easily on repairs than on other divisions of our budget, because repairs can be put off for a time, even though ultimately they cost more than if attended to when first needed, but food and coal must be purchased when

needed, salaries must be paid, and medical care of the patients must be maintained to as excellent a degree as possible.

We have practiced all the arts of food conservation that have been suggested, and patients and employees have co-operated cheerfully in the saving. Early in the year the Commission on Mental Diseases put into effect a rationing of food that has resulted in a substantial economy, though we have at times wished it were a little more liberal, considering how large a proportion of private patients we have, and how many invalids we have requiring a special dietary. Satisfaction with the dietary contributes more to the comfort of the insane, as with the sane, than almost anything else, thus promoting prospects of improvement and recovery.

The daily ration established was as follows, the allowance for four and a half patients including the ration also for one employee: flour, 9.5 ounces; other farinaceous food, 3.2 ounces; meats and fish, 10.13 ounces; butter, 1.37 ounces; cheese, .3 ounce; coffee, .44 ounce; tea, .12 ounce; milk, 1.04 pints; $\frac{1}{2}$ egg; sugar, 1.9 ounces; potatoes, 9.5 ounces; fruit, 1 cent.

We have been requested by the Commission on Mental Diseases to make estimates for the maintenance of 990 patients the coming year. This number is smaller than the number of patients we are now caring for, and does not seem a fair number to base our estimates upon unless the Commission can keep our numbers within the limit stated by the removal of some of our patients to other hospitals. In each year for many years the number maintained at our hospital has been larger than the number on which the estimates were based. The number of patients cared for has steadily increased, consequently an unwise economy has been demanded in order to enable us to live within the amounts appropriated. Another seeming injustice has resulted from the underestimating of the number of patients to be cared for; that is, year after year, in addition to maintaining an excessive number of patients, it has been necessary to purchase the equipment for them — beds and bedding, furniture, furnishings and the like — from the maintenance appropriations.

Special appropriations were made by the Legislature in May for the following purposes: the sum of \$108,000 for the erection of two nurses' homes, each to accommodate 63 nurses; and the

sum of \$5,000 for the purchase of a piece of land with the buildings thereon.

Plans for the nurses' homes, drawn by Kendall, Taylor & Co. of Boston, were accepted, and the contract for building them was awarded to M. I. O'Connor of Northampton. There has been considerable difficulty in obtaining building materials due to stringencies caused by the war, but at the time of writing this report the work is well under way. The walls of the building for the men are finished, and the building is roofed over; the foundations for the other building are completed, and the walls have been built up to the first floor. It is expected that the buildings will be ready for occupancy by early summer.

Negotiations for the purchase of the so-called Stack property are nearly completed, awaiting some technical detail by the Attorney-General.

A condition of overcrowding in our institution continues in spite of efforts of the Commission on Mental Diseases to relieve it by removing patients to other institutions. Since the last building for the accommodation of patients was erected in 1905 at our hospital there have been transferred more than 1,000 patients, and there are now in the institutions of the State about 1,600 patients whose places of residence are in our district. This matter, which should be considered serious enough to call for remedial action of some sort, repeatedly has been called to the attention of the Legislatures of the past ten or twelve years, yet seemingly no attention has been paid to these representations in our annual reports. It is doubtful if these reports are read by many of the legislators, and doubtless not a dozen members of the Legislature in any one year are conversant with conditions throughout the State as to the number of the insane to be cared for, the annual increase in their numbers, and what are the existing accommodations for their care. Meanwhile appropriations are being made year after year for new buildings at institutions outside our district which are filled with patients sent from our hospital. Reference to our reports of last year and of previous years may be made by any one interested to know what policies have been suggested and what provisions for the insane of our district have been recommended.

In this connection we again express the hope that a hospital may soon be established near the center of our district for the examination, observation and treatment of a large number of mental and nervous cases that thus might be cared for without being committed to a State hospital. One of the first acts of the present Commission on Mental Diseases was to secure the approval by the Legislature of this purpose, though without the quite necessary appropriation to go on with its fulfillment.

The functions and purpose of such a hospital might follow the course of the so-called psychopathic hospitals, — a term already falling somewhat into public disfavor, but which in our opinion should have a broader scope. It should be more than a clearing house. It would not suffer in repute or in usefulness if with the science in use there should be a judicious admixture of the humanities. Persons under treatment should be patients, not cases. Interest in them should not cease as soon as tests of the blood and spinal fluid have been made and a sort of diagnosis arrived at.

One of the important matters of administration to which our attention has been directed frequently by the superintendent has been the extreme shortage of help throughout the year in every department of the hospital. It has been possible to "carry on," to keep the plant going, to maintain custody of the patients and their routine and necessary medical care, but some of our activities to make of the institution a hospital in the true sense of the word have been abridged because of the exigencies of war. What success we have had has been due largely to the loyalty of a small and faithful corps of employees, most of whom, and especially the nursing force, have been employed overtime. With the coming of peace this situation will soon be relieved, but to be completely remedied it should not be lost sight of that the Commonwealth of Massachusetts ought to be able to select its employees from a list of desirable applicants, instead of making selection from applicants who, failing to find employment elsewhere, come to us as a last resort. Positions naturally unattractive should be made desirable by means of satisfactory standardizations of hours and wages, and by pleasant and cheerful living accommodations.

It is with great sorrow we record the loss to our Board of two of its members by death, — Mr. Charles S. Shattuck and Mr. Henry L. Williams. Mr. Shattuck had been a member since 1903, and one of the most regular of our Board in attendance at the meetings. He took great pride in the institution, and gave freely of his time to its interests. Mr. Williams was also a long-time member, having been appointed in 1906. Living nearer the hospital than the other members he was called upon to consider questions of administration and of financial detail to a greater degree than any other member of our Board. His services, because of his business experience and ability, were of great benefit to the institution. The following resolutions, passed at our regular meetings, express our great appreciation of these former associates: —

APRIL 4, 1918.

Whereas, Death removed, on the 5th of February, Maj. Charles S. Shattuck, after a long, active and honorable life filled with varied activities as a brave soldier in the civil war, a successful business man and a public-spirited citizen, we, his associates on the Board of Trustees of the Northampton State Hospital, wish to express our sincere appreciation of his fine and manly qualities and our regret at his loss.

Resolved, therefore, That by the death of Maj. Charles S. Shattuck, we, the trustees of the Northampton State Hospital, feel that we have lost a kindly, genial coworker. His constant interest in the affairs of the hospital throughout his long term of office for fifteen years was shown by a remarkable regularity of attendance at trustee meetings, and by assistance whenever it might be needed. His unfailing friendliness, social ease and sound common sense gave constant help and pleasure to our work.

Resolved, also, That this expression of our sentiments be entered in the minutes of the Board of Trustees, and a copy sent to the family of Major Shattuck.

MAY 2, 1918.

The trustees of the Northampton State Hospital desire at this time to place on record their deep appreciation of the great loss sustained by this Board in the death of its late chairman, Col. Henry L. Williams of this city.

As citizens of the Commonwealth of Massachusetts we recognize the many and varied forms of service which Colonel Williams as a patriotic citizen rendered to the Nation, the State and this community.

As trustees of the Northampton State Hospital we desire to record our

very high appreciation of his clear insight, wise judgment and sympathetic understanding of matters pertaining to its affairs, and our regret at the great loss sustained by the hospital in his removal.

We desire, also, to give expression to our own deep sense of personal loss in his going, beyond the measure of formal expression, and to extend to his wife our most profound sympathy.

Mr. Harry L. Howard of Hatfield, in March, and Mr. E. C. Gere of Northampton, in June, were appointed to fill the unexpired terms, respectively, of Mr. Shattuck and of Mr. Williams.

Several changes have taken place on our medical staff. In April Dr. Arthur N. Ball was given leave of absence in order to enlist in the Federal service. He was commissioned lieutenant, and later was promoted to be captain. His going left two vacancies in the male service, one having existed from the beginning of the year, and, there being too much work for one physician, Dr. Harriet Whitney has given a large part of her time to the male service.

Dr. Eliza Kilpatrick left us November 1, after a service of two years, to accept a position on the staff of the Nova Scotia Hospital for the Insane, in Halifax, the inducements leading to the appointment being greater than we were allowed to offer to retain her services. The Commonwealth of Massachusetts ought to be able to pay as much to retain its faithful employees whom it has been training as other communities can offer to entice them away. Dr. Kilpatrick was capable and efficient, and well liked by her patients and by her associates.

Dr. Philip W. Stone was given leave of absence to enlist, having been commissioned lieutenant, and he left September 4.

The superintendent and physicians on the staff who were debarred from the privilege of enlisting gave freely of their time as members of the advisory boards at Northampton, Holyoke, Westfield, Greenfield and North Adams.

As a Board we have met regularly for the purpose of approving accounts, for visiting the patients, for making inspection of the institution, for discussion of policies and for making plans for the future. On account of extra duties at home and in our private business because of the war, the long illness of two of our members, and service on an exemption board of one mem-

ber, there has not been as full an attendance as usual. We have found things going well in spite of great handicaps, and we commend those of our employees who have faithfully remained in our service.

CAROLINE A. YALE.

LUKE CORCORAN, M.D.

JOHN McQUAID.

EDWARD C. GERE.

HARRY L. HOWARD.

JOSEPH W. STEVENS.

EMILY N. NEWTON.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

The superintendent's report of the affairs and management of the hospital for the year ending Nov. 30, 1918, is herewith respectfully submitted.

The statistical tables accompanying this report are for the year ending Sept. 30, 1918. The forms of these tables, used by us for the first time in the report for 1917, have been adopted this year quite universally by the hospitals for the care of the insane throughout the country. They were recommended by the American Medico-Psychological Association, for the sake of uniformity in reporting statistics concerning insanity, thus facilitating study and comparison.

The movement of population has been as follows: 407 patients were admitted during the year, making, with the 978 who were under care at the beginning of the year, a total number of 1,385 under treatment. Besides these there were 129 patients carried on our books who were out on visit with the privilege of returning to the hospital if necessary, and 11 who had escaped within the past few years and who had not been discharged from our records. These numbers make the total of 1,526 carried on our books as shown in the statistical tables.

The daily average number under treatment was 979 in the institution and 24 in family care, a total of 1,003.

Of the 407 patients admitted 319 never had been in any hospital for the insane before coming here; 88 had been in this hospital or some other previously. Thirty-eight per cent of these were of foreign birth and 60 per cent of them were of foreign parentage. The races of the foreign born were as follows: Irish, 59; Slavonic, 31; French, including Canadian French, 27; English, including Canadian English, 17; German, 12; Scotch, 10; Hebrew, 8; Italian, 7; Magyar, 2; Scandinavian, 2; and 1 each Armenian, Dutch, Lithuanian, Syrian and Welsh.

The average age on admission was fifty years and four months. There were 41 between seventy and eighty years of age, and 12 who were over eighty years.

About 70 per cent had on admission some one of the forms of mental disease generally conceded to be unfavorable for recovery. Of these there were 121 cases of dementia præcox, 41 of cerebral arteriosclerosis, 33 of senile psychoses, 30 of general paresis and other syphilitic psychoses, and 4 of psychoses due to structural brain disease.

There were 94 of the types of mental disease from which recoveries may be looked for, 66 cases of manic-depressive psychoses, 18 of psychoses with somatic diseases, and 10 of psychoneuroses.

There were 41 cases of psychoses due to the use of alcohol, — a marked decrease in the number admitted from this cause as compared with previous years, especially of delirium tremens and of acute alcoholic hallucinosis.

Two cases of pellagra were admitted, besides one case suspected of being pellagra but not yet with definite enough symptoms for positive diagnosis.

Fifteen of the cases were admitted on voluntary application. One hundred and eighteen were admitted on temporary care papers.

The total number dismissed, 357, included 101 who were out on visit at the beginning of the year, and whose period of probation expired within the year. Of these, 168 were discharged, 64 as recovered, 63 as improved, 32 as unimproved, and 9 as not insane (alcoholic and epileptic cases without psychoses, voluntary sane, and one malingerer, wife of one of our patients who preferred to be here rather than in jail to which place she had been sentenced); 43 were transferred by the Commission on Mental Diseases, 1 to Taunton State Hospital, 1 to Monson State Hospital, 1 to Westborough State Hospital, 18 to Gardner State Colony, and 22 to Grafton State Hospital; and 146 died.

One hundred and thirty-four were at home on trial visit at the end of the year.

The principal causes of death were cerebral hemorrhage and cerebral arteriosclerosis, 49; general paresis, 23; pulmonary tuberculosis, 11; chronic myocarditis, 7; chronic nephritis, 7; cerebrospinal syphilis, 4; pellagra, 3.

As noted above there were transferred to other institutions during the year, by the Commission on Mental Diseases, 43 patients, making the total number 1,034 so transferred in the past twelve years, and as this report is being written 60 more are being selected for transfer. The removal of these patients is necessary in order to leave room for the proper care of the more recent cases and of those more likely to recover, for recovery is not promoted by association with turbulent and demented patients in crowded quarters. The need of room is the only justification for such transferring of patients, and reasons are many why this procedure is undesirable, — the removal of the patients so transferred leaves in our institution a disproportion of the aged, the feeble and the troublesome; it is always a source of sorrow and apprehension, temporary at least, to the patients who are transferred and to their relatives; and much inconvenience as well as expense is entailed in visiting them in the institution to which they have been transferred.

Attention has been called repeatedly to the unwisdom if not the injustice of removing these patients so far from their homes. They ought to be cared for in their own district within reasonable distance from home.

Medical care of the patients has been maintained, though little except routine work has been possible because of the few numbers on our medical staff. Leave of absence was granted to Dr. Ball, who enlisted in the Federal service early in the year, being commissioned lieutenant, and later captain. One other vacancy has existed in the male service, and part of the time there have been two vacancies in the female service. Dr. Harriet Whitney has had to curtail her work in the out-patient and social service departments in order to assist in the ward work on the male service. The superintendent and the two assistant physicians in the male service have given much time to the examination of men drafted for the army, having been appointed to the medical advisory boards in Northampton, Holyoke, Westfield, Greenfield and North Adams. Antityphoid vaccinations and routine tests for syphilis have been done as usual. Clinics have been held as heretofore at Springfield, Greenfield and Pittsfield. It has been possible, though under adverse conditions, to continue the lectures to the pupil nurses

in our training school. This year a course of lectures on mental disorders was also given to the senior class of nurses at the Cooley Dickinson Hospital. During the months of July and August it was a pleasing duty of our staff to conduct a series of clinical demonstrations to a class of about sixty students who were attending the training school of psychiatric social work at Smith College. The enthusiasm shown and the interest were deeper even than is found in a class of medical students, who are apt to find ours a rather dry subject; and it was not easy to judge which were the more pleased, the students or our staff or those of our patients who posed for the demonstrations.

Dr. Stone, our dentist, was given leave of absence to enlist in September, being commissioned lieutenant. Routine dental work was interrupted by his leaving us, such work as was immediately needed being referred to dentists in Northampton. During the period he was on duty he treated the following cases: 143 silver fillings, 62 cement fillings, 63 enamel fillings, 631 extractions, 203 cleanings, 10 plates repaired, 9 new sets made, 3 bridges put in, 3 crowns made, and 12 cases of pyorrhœa.

Our experience of seven years in social service and out-patient work has demonstrated the value of this work and a recognition by the public of its usefulness. To meet the increasing demands an additional social service worker will be required this coming year. Shortage of help on our medical staff has made it necessary to keep our assistant, who has had charge of this work, at the hospital a considerable part of the time to assist in the routine ward work; consequently fewer visits were made this year than usual. Clinics were held regularly at the Franklin County Hospital, Greenfield, at the Springfield Hospital and at the House of Mercy, Pittsfield, the latter especially being well attended at each session, requiring the services of two of our staff during the appointed hours. The probable reason for this is that some who live within reasonable distance of the hospital at Northampton prefer to come direct to the hospital rather than to wait for clinic day at Greenfield and Springfield, but the hospital is not so accessible to residents of Berkshire County.

One hundred and two came to the clinics for consultations,

145 patients who were out on visit came to report, and the relatives of 145 patients in the hospital came to inquire about them.

War conditions have affected unfavorably the family care activities. Fewer families wish to take patients because of increased living costs. Unless the prices of foodstuffs and of fuel are lower the rate of board for family care must be increased.

Routine investigations have been made, as formerly, of home conditions of patients whose discharge is being considered, and after-care supervision has been continued.

An important opportunity for assistance, of which advantage is often taken, falls to our social worker, who is a physician, which is not in the line of work of the non-medical social worker; that is, medical consultation with the family physicians in mental and nervous cases, and examination of persons sent by judges and brought by agents of charitable organizations.

Work in the training school was carried on under extreme difficulties. The average number of nurses throughout the year was barely 50 per cent of our quota; consequently class work, lectures and demonstrations were irregularly attended, or frequently postponed in order that necessary ward work might be done.

Changes in the personnel of the nursing staff were frequent, and applications for admission to the classes were few because of conditions in the labor market elsewhere. Only 14 pupils entered the junior class, and but 4 of these remained at the end of the year. Three pupil nurses completed the senior class work for 1918, and 3 are now completing their affiliating course at Bellevue Hospital. Miss Lillian Fairbanks returned from Bellevue Hospital and was graduated on Oct. 24, 1918, the event being pleasantly honored by a reception with dancing in the evening. She immediately left our service to enter the Army Nursing Corps, and was stationed at Camp Merritt, N. J. An attendant's course was given to 20, of whom 10 passed the required examinations.

At times there were so few nurses and attendants in service that patients were delegated to take charge of certain wards, which they did well, to their own great pleasure and to the general satisfaction of the other patients. In several instances

patients were dismissed from our books as patients, and were at once placed on the pay roll, the change working out acceptably to every one concerned.

The dry season in midsummer was rather unfavorable for our crops. Corn, hay and potatoes yielded well, but other crops were below the normal average. Garden crops especially suffered from the drought. It is estimated that the total yield of crops was about 85 per cent of the normal average. However, we produce all the milk we use, all the pork and much of the beef, and it probably will not be necessary to purchase any vegetables for the coming year.

The value of our farm products at the market rates furnished by the Commission on Mental Diseases was \$68,485.40.

In a large institution like ours many alterations and repairs are necessary, and the year just ended has not been exceptional in this respect. Some of the more important items are mentioned here as a matter of record for future reference. Equipment of our heating system with vacuum apparatus was completed and has proven very efficient; heating coils have been placed in flues leading to patients' rooms on the third halls in the department for women, and in the dining rooms of the second halls in the department for men. Installation of an electric call system, whereby officers and heads of departments may be summoned quickly to the nearest telephone, was begun but not completed owing to shortage of help. Additions were made to our equipment as follows: a clarifier of a capacity of 1,000 pounds of milk an hour and a pasteurizer of 300 gallons of milk an hour; a motor-driven air pump for the pipe organ in chapel; an oil separator on the exhaust line from engines and pumps; and a series of tanks for saving oil formerly going to the sewer. Steam pipes were covered and double windows were put on in various places to conserve heat. Two of the cottages occupied by employees were wired for electric lighting; in one cottage a new tin roof was laid, and a furnace and radiators were put in the cottage occupied by the head farmer.

Employment, as often stated, is one of the most important of therapeutic measures. Many patients, as usual, and as set forth in previous reports at some length, have been kept busy on the wards, at the shops, on the farm, in the gardens, at the

barns and in the industrial rooms. Women patients have enjoyed working in the gardens picking berries, peas, beans and small fruits, weeding onions and husking corn. Some of them, as in former years, have had garden plots to cultivate, using the products raised for themselves and their associates, to their great pleasure and satisfaction. Under the direction of our employees patients have done excavating and grading for the new nurses' homes, and have done the cement work in connection with the tunnel leading to the nurses' home for men.

Like all the other activities the teaching of industries has suffered from the shortage of help. Our three teachers left us to engage in work for the government, and since the middle of November we have had but one teacher to carry on the work, but as shown by her report considerable has been done the past year, and the thread of work was not broken.

The male patients have largely directed their activities to the making of baskets, weaving, upholstering and the like. They have made all the mattresses, tinware, and brooms used by the hospital, and have repaired shoes and furniture.

A list of articles made by the women is as follows: crocheting and knitting, 462 pieces, — sweaters, caps, wristers, slippers, mittens, scarfs, wash cloths, socks, gloves, helmets; 162 rugs, including woven, hooked, braid weave, braided, tied; weaving, 31 pieces, — mats, hatbands, table runners, bedspread, table cover, knitting bag, tapestry, blankets; toweling, woven, $214\frac{1}{2}$ yards; towels, hemmed, 1,998; 75 baskets of reed and raffia; string work, 10 pieces, — bags, laundry bags, belt; 5 pieces of embroidery; toys, 37, — flower sticks, door stops, toy monkeys, toy parrots, toy cabinet; pottery, 11 pieces, — vases, lamp base, tiles, flower bowl. In addition to these, 757 pieces, including sweaters, socks, wristlets, helmets and scarfs, were knitted for the Red Cross.

Our matron formed a patriotic class of patients and employees who met one evening each week to do Red Cross work. The list of articles made was as follows: 36 sheets, 150 pillow cases, 50 hospital shirts, 102 pairs of pajamas, 24 pairs of men's undergarments, 24 pairs of boys' undergarments, 2 suits for little boys, 4 children's nightgowns, 6 children's petticoats, 4 skirts, 20 chemises, 12 convalescent robes, 10 infants' caps, 3 infants'

jackets, 35 sweaters, 228 pairs of socks, 29 pairs of wristlets, 31 helmets, 2 pairs of gloves, 14 mufflers.

Our matron also organized a drive for Red Cross membership, as a result of which our flag bears 97 small crosses indicating membership.

Recreation plays closely a second part to employment as a means of treatment, and we always have made use of it in a large measure. The weekly gatherings of patients for moving pictures have been held except during the long days of summer, and the dances every week, from Thanksgiving to warm weather in May. Besides these the following entertainments were held: a concert by Mr. A. L. Norris; stereopticon lecture by Mr. Holden; entertainments by Mrs. Helen Bristol, Mr. Taggart and Mr. Richards; a masquerade ball on Washington's Birthday. On Thanksgiving and Christmas days special dinners were given to all patients. On Christmas there was a tree illuminated with colored lights in the chapel, and exercises were held appropriate to the occasion, accompanied by distribution of presents to every one, while smaller trees were put up on the wards where patients were ill in bed and unable to attend the exercises in chapel.

There were field sports on July 4 with prizes to winners of events, and in the evening a band concert on the lawn. Halloween was properly celebrated by appropriate games in the assembly hall.

Religious services have been held regularly each week, the Catholic clergyman officiating in the morning, and the Protestant clergyman at the afternoon services. Clergymen have responded frequently during the week, attending the seriously ill patients, and administering last rites to the dying.

We are pleased to record our thankful appreciation to the following persons for their thoughtful remembrance of our patients during the year: Mrs. Crossin of Pittsfield frequently sent reading matter, and at Christmas time gifts to be put on the Christmas tree. Miss Kendall of Easthampton and Miss Eastman of South Hadley gave books and magazines for the library, which were very acceptable. Miss Plimpton of Florence sent flowers. Bridgman & Lyman and Mrs. King of Northampton sent magazines. Money to be used for the indigent patients at

Christmas was sent by Mrs. Frederick E. Coward, Mrs. J. Allan Dunn, Mr. William Graham, Mr. Francis J. Harrington, Miss Annie G. McIntee, Mrs. Newton of Holyoke, Mrs. Parker of Northampton and Mr. Louis Zoll. A box of oranges was given by a friend and a pail of candy by Mr. John J. Sullivan of North Adams. An unknown giver with a kind heart presented a wheel chair for the use of one of our patients as long as he should need it, and to be used thereafter by any one needing it.

We also express our appreciation to the publishers of the following periodicals for regular issues of their journals: "Christian Register," "Christian Science Monitor," "Our Dumb Animals," "Healthy Home Quarterly," "Greenfield Recorder" and "New League Journal." Newspapers from home towns are eagerly read by patients, and such gifts to the hospital are very acceptable.

J. A. HOUSTON,

Superintendent.

VALUATION.

Nov. 30, 1918.

REAL ESTATE.

Land (501 acres),	\$120,487 50
Buildings,	830,291 93
	<hr/>
	\$950,779 43

PERSONAL PROPERTY.

Travel,	\$3,455 60
Food,	9,728 81
Clothing,	5,742 61
Furnishings,	157,322 16
Medical,	3,342 50
Heat,	17,509 06
Farm and stable,	48,052 90
Grounds,	3,423 22
Repairs,	16,743 21
	<hr/>
	\$265,320 07

SUMMARY.

Real estate,	\$950,779 43
Personal property,	265,320 07
	<hr/>
	\$1,216,099 50

TREASURER'S REPORT.

To the Trustees of the Northampton State Hospital.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1918:—

CASH ACCOUNT.

Balance Dec. 1, 1917, \$3,247 36

Receipts.

Institution Receipts.

Board of inmates:—

Private,	\$40,448 22
Reimbursements, insane,	17,138 53

\$57,586 75

Sales:—

Travel, transportation and office expenses,	\$46 52
Food,	363 53
Clothing and materials,	322 15
Furnishings and household supplies,	164 34
Heat, light and power,	179 40

Farm and stable:—

Cows and calves, \$427 00	
Pigs and hogs, 109 00	
Bran sacks, 28 70	

564 70

Repairs, ordinary,	543 45
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2,184 09

Miscellaneous receipts:—

Interest on bank balances,	\$192 81
Medical and general care,	65 77
Rent,	351 92
Board of retirement,	59 16
Industries,	338 52

1,008 18

60,779 02

Receipts from Treasury of Commonwealth.

Maintenance appropriations:—

Balance of 1917,	\$17,659 52
Advance money (amount on hand November 30),	5,000 00
Approved schedules of 1918,	288,646 93

311,306 45

Special appropriations,	15,071 45
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Total,	\$390,404 28
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Payments.

To treasury of Commonwealth, institution receipts,		\$60,779 02
Maintenance appropriations: —		
Balance November schedule, 1917,	\$20,906 88	
Eleven months' schedules, 1918,	288,646 93	
November advances,	382 02	
	<hr/>	309,935 83
Special appropriations, approved schedules,		15,071 45
Balance Nov. 30, 1918: —		
In bank,	\$2,630 03	
In office,	1,987 95	
	<hr/>	4,617 98
Total,		<hr/> \$390,404 28

MAINTENANCE.

Appropriation, current year,	\$311,480 14
Expenses (as analyzed below),	306,491 33
	<hr/>
Balance reverting to treasury of Commonwealth,	\$4,988 81

Analysis of Expenses.

Salaries, wages: —

John A. Houston, superintendent,	\$4,124 97
General administration,	35,893 55
Medical service,	6,706 71
Ward service (male),	18,311 67
Ward service (female),	19,404 53
Repairs,	7,500 71
Farm and stable,	12,756 75
Grounds,	2,271 52
	<hr/>
	\$106,970 41

Religious instruction: —

Catholic,	\$606 00
Protestant,	636 10
	<hr/>
	1,242 10

Travel, transportation and office expenses: —

Advertising,	\$184 19
Automobiles,	1,860 00
Automobile repairs and supplies,	87 17
Postage,	455 20
Printing and binding,	412 04
Stationery and office supplies,	872 60
Telephone and telegraph,	776 65
Travel,	637 02
Freight,	292 35
Premium on bond,	20 00
	<hr/>
	5,597 22

Amount carried forward, \$113,809 73

<i>Amount brought forward,</i>		\$113,809 73
Food:—		
Butter,	\$4,250 98	
Butterine,	5,672 47	
Beans,	1,180 05	
Bread, crackers, etc.,	329 15	
Canned soups,	11 28	
Cereals, rice, meal, etc.,	2,240 70	
Cheese,	2,048 43	
Eggs,	8,718 30	
Flour,	10,181 85	
Fish (fresh, cured and canned),	4,015 49	
Fruit (fresh),	1,479 12	
Fruit (dried and preserved),	1,588 97	
Lard and substitutes,	1,473 35	
Macaroni and spaghetti,	347 94	
Meats,	13,088 83	
Milk (fresh and substitutes),	301 52	
Molasses and syrups,	1,136 90	
Peanut butter, pie filling, etc.,	17 78	
Potatoes,	58 50	
Seasonings and condiments,	2,189 66	
Sugar,	2,841 62	
Tea, coffee, cocoa, etc.,	2,819 62	
Vegetables (fresh),	47 00	
Vegetables (canned and dried),	1,177 49	
Yeast, baking powder, etc.,	523 73	
Freight,	511 09	
		<hr/>
		68,251 82
Clothing and materials:—		
Boots, shoes and rubbers,	\$1,564 50	
Clothing (outer),	1,138 55	
Clothing (under),	675 72	
Dry goods for clothing,	2,350 86	
Hats and caps,	133 14	
Leather and shoe findings,	5 30	
Machinery for manufacturing,	176 96	
Socks and small wares,	920 60	
Freight,	37 28	
		<hr/>
		7,002 91
Furnishings and household supplies:—		
Beds, bedding, etc.,	\$3,209 42	
Carpets, rugs, etc.,	342 24	
Crockery, glassware, cutlery, etc.,	1,337 92	
Dry goods and small wares,	962 60	
Fire hose and extinguishers,	56 00	
Furniture, upholstery, etc.,	30 25	
Kitchen and household wares,	3,807 81	
Laundry supplies and materials,	3,003 48	
Lavatory supplies and disinfectants,	515 69	
Table linen, paper napkins, towels, etc.,	112 82	
Freight,	115 29	
Electric lamps,	441 34	
		<hr/>
		13,934 86
<i>Amount carried forward,</i>		\$202,999 32

<i>Amount brought forward,</i>		\$202,999 32	
Medical and general care: —			
Books, periodicals, etc.,	\$253 94		
Entertainments, games, etc.,	660 35		
Funeral expenses,	16 00		
Gratuities,	11 84		
Ice and refrigeration,	596 38		
Laboratory supplies and apparatus,	80 73		
Manual training supplies,	997 45		
Medicines (supplies and apparatus),	1,567 42		
Medical attendance (extra),	123 62		
Patients boarded out,	2,051 19		
Return of runaways,	114 14		
School books and supplies,	10 80		
Sputum cups, etc.,	9 00		
Tobacco, pipes, matches,	209 78		
Water,	3,097 91		
Freight,	11 02		
			9,811 57
Heat, light and power: —			
Coal,	\$27,991 20		
Freight on coal and other expenses,	17,448 83		
Electricity,	76 54		
Gas,	86 69		
Oil,	216 66		
Operating supplies for boilers and engines,	417 23		
Freight,	58 34		
			46,295 49
Farm and stable: —			
Bedding materials,	\$1,105 32		
Blacksmithing and supplies,	660 96		
Carriages, wagons and repairs,	205 54		
Dairy equipment and supplies,	842 08		
Fertilizers,	2,120 86		
Grain, etc.,	22,675 66		
Harnesses and repairs,	136 25		
Horses,	652 50		
Cows,	775 70		
Other live stock,	645 80		
Labor (not on pay roll),	176 80		
Rent,	75 00		
Road work and materials,	23 25		
Spraying materials,	207 20		
Stable and barn supplies,	213 56		
Tools, implements, machines, etc.,	663 09		
Trees, vines, seeds, etc.,	1,556 99		
Veterinary services, supplies, etc.,	57 50		
Freight,	404 71		
			33,198 77
Grounds: —			
Tools, implements, machines, etc.,	\$139 35		
Trees, vines, shrubs, seeds, etc.,	287 09		
Freight,	2 45		
			428 89
<i>Amount carried forward,</i>		\$292,734 04	

Amount brought forward, \$292,734 04

Repairs, ordinary: —

Brick,	\$72 41	
Cement, lime, crushed stone, etc.,	674 11	
Electrical work and supplies,	587 26	
Hardware, iron, steel, etc.,	1,097 35	
Labor (not on pay roll),	755 21	
Lumber, etc. (including finished products),	3,927 95	
Paint, oil, glass, etc.,	1,662 78	
Plumbing and supplies,	1,516 46	
Roofing and materials,	102 47	
Steam fittings and supplies,	1,360 22	
Tools, machines, etc.,	192 54	
Boilers, repairs,	404 13	
Dynamos, repairs,	13 73	
Engines, repairs,	595 80	
Freight,	206 52	
Machinery repairs,	63 35	
		<hr/>
		13,232 29

Repairs and renewals: —

Duplex pump,	525 00	
		<hr/>

Total expenses for maintenance, \$306,491 33

SPECIAL APPROPRIATIONS.

Balance Dec. 1, 1917,	\$1,805 13	
Appropriations for fiscal year,	113,000 00	
		<hr/>
Total,	\$114,805 13	
Expended during the year,	15,071 45	
		<hr/>
Balance Nov. 30, 1918,	\$99,733 68	

RESOURCES AND LIABILITIES.

Resources.

Cash on hand,	\$4,617 98	
November cash vouchers (paid from advance money), account of maintenance,	382 02	
Due from treasury of Commonwealth from available appropriation, account of November, 1918, schedule,	12,844 40	
Maintenance industries,	430 78	
		<hr/>
		\$18,275 18

Liabilities.

Schedule of November bills,	\$17,844 40	
Maintenance industries,	430 78	
		<hr/>
		\$18,275 18

PER CAPITA.

During the year the average number of inmates has been 985.18.

Total cost for maintenance, \$306,491.33.

Equal to a weekly per capita cost of \$5.98.

Receipt from sales, \$2,970.24.

Equal to a weekly per capita of \$0.0579.

All other institution receipts, \$57,808.78.

Equal to a weekly per capita of \$1.12.

Respectfully submitted,

LEWIS F. BABBITT,

Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

ALONZO B. COOK,

Auditor.

STATISTICAL TABLES

AS ADOPTED BY AMERICAN MEDICO-PSYCHOLOGICAL
ASSOCIATION.

PRESCRIBED BY MASSACHUSETTS COMMISSION ON MENTAL DISEASES.



STATISTICAL TABLES.

TABLE 1. — *General Information.*

1. Date of opening as an institution for the insane: Aug. 16, 1858.

2. Type of institution: State.

3. Hospital plant:—

Value of hospital property:—

Real estate, including buildings,	\$877,498 50
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Personal property,	171,062 48
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Total,	\$1,048,560 98
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Total acreage of hospital property, 511.

Acreage under cultivation during year, 210.

4. Medical service:—	Men.	Women.	Totals.
Superintendents,	1	—	1
Assistant physicians, ¹	1	4	5
Medical internes,	—	—	—
Clinical assistants,	—	—	—
Total,	2	4	6

5. Employees:—	Males.	Females.	Totals.
Graduate nurses,	—	3	3
Other nurses and attendants,	136	77	213
Social workers,	—	1	1
All other employees,	109	56	165
Total,	245	137	382

	Men.	Women.	Totals.
6. Percentage of patients employed during year, .	50.79	56.1	53.45

TABLE 2. — *Financial Statement.*

See treasurer's report for data requested under this table.

¹ In army on leave of absence; vacancy.

TABLE 3. — Movement of Patient Population for the Year ending Sept. 30, 1918.

	INSANE.			OTHER CLASSES.						TOTAL ON BOOKS.		
	Males.	Females.	Totals.	SANE, VOLUN- TARY.			INEBRIATES.			Males.	Females.	Totals.
				Males.	Females.	Totals.	Males.	Females.	Totals.			
1. Patients on books of institution Sept. 30, 1917, Admissions during the year: —	567	552	1,119	—	—	—	—	—	—	567	552	1,119
(a) First admissions,	145	171	316	1	2	3	—	—	—	146	173	319
(b) Readmissions,	55	33	88	—	—	—	—	—	—	55	33	88
Total admissions,	200	204	404	1	2	3	—	—	—	201	206	407
(c) Transfers from other institutions for the insane, 2. Total received during year,	—	—	—	—	—	—	—	—	—	—	—	—
3. Total under treatment during year,	200	204	404	1	2	3	—	—	—	201	206	407
Discharged from books during year: —	767	756	1,523	1	2	3	—	—	—	768	758	1,526
(a) As recovered,	43	21	64	—	—	—	—	—	—	43	21	64
(b) As improved,	37	26	63	—	—	—	—	—	—	37	26	63
(c) As unimproved,	18	14	32	—	—	—	—	—	—	18	14	32
(d) As not insane,	4	2	6	1	2	3	—	—	—	5	4	9
(e) Transferred to other institutions for the insane, (f) Died during year,	—	43	43	—	—	—	—	—	—	—	43	43
4. Total discharged from books during year,	77	69	146	—	—	—	—	—	—	77	69	146
5. Patients remaining on books of institution Sept. 30, 1918,	179	175	354	1	2	3	—	—	—	180	177	357
	588	581	1,169	—	—	—	—	—	—	588	581	1,169
<i>Supplementary Data.</i>												
6a. Average daily number of patients on books during year,	599,854	594,933	1,194,787	.046	.032	.078	—	—	—	599,900	594,965	1,194,865
6b. Average daily number of patients actually in institution during year,	491,252	488,170	979,422	.046	.032	.078	—	—	—	491,298	488,202	979,500
7a. Average daily number of patients in family care,	2,845	20,726	23,571	—	—	—	—	—	—	2,845	20,726	23,571
7b. Average daily number of patients on visit and escape,	105,757	86,037	191,794	—	—	—	—	—	—	105,757	86,037	191,794
8. Number of voluntary patients admitted during year,	8	4	12	1	2	3	—	—	—	9	6	15
9. Number of temporary-care cases admitted within the year,	59	59	118	—	—	—	—	—	—	59	59	118
10. Number of patients actually remaining in institution Sept. 30, 1918,	505	484	989	—	—	—	—	—	—	505	484	989
State,	436	331	767	—	—	—	—	—	—	436	331	767
Reimbursing,	35	58	93	—	—	—	—	—	—	35	58	93
Private,	34	95	129	—	—	—	—	—	—	34	95	129

TABLE 4. — *Nativity of First Admissions and of Parents of First Admissions.*

NATIVITY.	PATIENTS.			PARENTS OF MALE PATIENTS.			PARENTS OF FEMALE PATIENTS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
United States,	83	112	195	53	65	118	51	70	121
Austria,	6	4	10	7	4	11	7	4	11
Canada,	13	10	23	19	18	37	16	18	34
England,	3	3	6	5	7	12	7	7	14
France,	1	1	2	2	1	3	1	1	2
Germany,	2	4	6	4	10	14	3	9	12
Holland,	—	—	—	—	—	—	1	—	1
Hungary,	—	—	—	—	1	1	—	1	1
Ireland,	14	19	33	21	41	62	24	37	61
Italy,	4	2	6	5	2	7	5	2	7
Poland,	5	4	9	5	4	9	5	4	9
Russia,	13	4	17	16	5	21	16	5	21
Scotland,	—	6	6	4	7	11	4	8	12
Sweden,	—	1	1	—	1	1	—	1	1
Switzerland,	1	—	1	1	—	1	1	—	1
Turkey in Asia,	—	1	1	—	2	2	—	2	2
Total foreign born,	62	59	121	89	103	192	90	99	189
Unascertained,	—	—	—	3	3	6	4	2	6
Grand total,	145	171	316	145	171	316	145	171	316

TABLE 5. — *Citizenship of First Admissions.*

	Males.	Females.	Totals.
Citizens by birth,	87	110	197
Citizens by naturalization,	24	28	52
Aliens,	30	28	58
Citizenship unascertained,	4	5	9
Total,	145	171	316

TABLE 6. — *Psychoses of First Admissions.*

PSYCHOSES.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic, total,				3	—	3
(b) Traumatic constitution,	2	—	2			
(c) Post-traumatic mental enfeeblement,	1	—	1			
2. Senile, total,				15	17	32
(a) Simple deterioration,	10	6	16			
(b) Presbyophrenic type,	1	2	3			
(c) Delirious and confused states,	2	3	5			
(d) Depressed and agitated states in addition to deterioration,	1	3	4			
(e) Paranoid states in addition to deterioration,	1	2	3			
(f) Presenile,	1	2	3			
3. With cerebral arteriosclerosis,				24	15	39
4. General paralysis,				9	6	15
5. With cerebral syphilis,				—	3	3
6. With Huntington's chorea,				—	1	1
7. With brain tumor,				—	—	—
8. With other brain or nervous diseases, total,				5	8	13
Paralysis agitans,	—	1	1			
Meningitis, tubercular,	1	—	1			
Tabes,	1	2	3			
Taboparesis,	2	1	3			
Cerebrospinal syphilis,	—	3	3			
Amyotrophic lateral sclerosis,	—	1	1			
Psychosis with hydrocephalus,	1	—	1			
9. Alcoholic, total,				21	9	30
(a) Pathological intoxication,	—	1	1			
(b) Delirium tremens,	2	—	2			
(c) Acute hallucinosis,	11	1	12			
(d) Korsakow's psychosis,	3	—	3			
(e) Chronic hallucinosis,	1	4	5			
(f) Chronic paranoid type,	3	2	5			
(h) Alcoholic deterioration,	1	1	2			
10. Due to drugs and other exogenous toxins,				—	—	—
11. With pellagra,				—	2	2
12. With other somatic diseases, total,				4	12	16
(a) (1) Delirium with influenza,	1	—	1			
(2) Delirium with pneumonia,	—	1	1			
(c) Exhaustion delirium,	1	6	7			
(e) Cardiorenal disease,	1	1	2			
(f) Exophthalmic goiter,	—	2	2			
(g) (1) Delirium with tabes,	1	—	1			
(2) Delirium with hæmophilia,	—	1	1			
(3) Delirium with uræmia,	—	1	1			
13. Manic-depressive, total,				14	27	41
(a) Manic type,	9	13	22			
(b) Depressive type,	3	8	11			
(c) Stupor,	—	2	2			
(d) Mixed type,	1	3	4			
(e) Circular type,	1	1	2			
14. Involution melancholia,				—	5	5
15. Dementia præcox, total,				40	47	87
(a) Paranoid type,	13	22	35			
(b) Katatonic type,	13	17	30			
(c) Hebephrenic type,	13	6	19			
(d) Simple type,	1	2	3			
16. Paranoia and paranoiac conditions,				—	—	—
17. Epileptic, total,				2	2	4
(a) Deterioration,	2	2	4			
18. Psychoneuroses, total,				2	5	7
(b) Psychasthenic type,	2	3	5			
(c) Neurasthenic type,	—	1	1			
(d) Anxiety neuroses,	—	1	1			
19. With constitutional psychopathic inferiority,				—	—	—
20. With mental deficiency,				—	1	1
21. Undiagnosed,				2	2	4
22. Not insane, total,				4	9	13
(c) Drug addiction without psychosis,	1	—	1			
(d) Constitutional psychopathic inferiority without psychosis,	—	2	2			
(e) Mental deficiency without psychosis,	2	6	8			
(f) Chorea without psychosis,	1	—	1			
(g) Malingering,	—	1	1			
Total,				145	171	316

TABLE 7. — *Race of First Admissions classified with Reference to Psychoses.*

RACE.	TOTAL.			PSYCHOSES.												WITH BRAIN TUMOR.							
	Males.	Females.	Totals.	TRAUMATIC.			SENILE.			WITH CEREBRAL ARTERIO-SCLEROSIS.			GENERAL PARALYSIS.					WITH CEREBRAL SYPHILIS.			WITH HUNTINGTON'S CHOREA.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			Males.	Females.	Totals.	Males.	Females.	Totals.
African, .	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Armenian, .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Dutch, .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
English, .	5	12	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
French, .	12	15	27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
German, .	4	8	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Hebrew, .	5	3	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Italian, .	5	2	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Irish, .	22	37	59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Lithuanian, .	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Magyar, .	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Scandinavian, .	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Scotch, .	3	7	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Slavonic, .	21	10	31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Syrian, .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Welsh, .	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Mixed, .	62	71	133	2	—	2	11	7	18	15	12	27	3	5	8	—	—	—	—	—	—	—	
Total, .	145	171	316	3	—	3	15	17	32	24	15	39	9	6	15	—	3	3	—	1	1	—	

TABLE 8. — Age of First Admissions classified with Reference to Principal Psychoses.

PSYCHOSES.	TOTAL.			YEARS.																				
	Males.	Females.	Totals.	UNDER 15.			15-19.			20-24.			25-29.			30-34.			35-39.			40-44.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			
1. Traumatic,	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile,	15	17	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis,	24	15	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis,	9	6	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis,	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases,	5	8	13	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic,	21	9	30	-	-	-	-	-	-	-	-	-	3	-	3	-	3	2	5	-	1	2	3	1
10. Due to drugs and other exogenous toxins,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra,	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases,	4	12	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive,	14	27	41	-	-	-	1	1	2	1	4	5	2	4	6	1	3	4	1	1	5	6	1	3
14. Involution melancholia,	-	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia precox,	40	47	87	-	-	-	8	3	11	7	15	22	7	3	10	10	11	21	3	7	10	2	5	7
16. Paranoia and paranoid conditions,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic,	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses,	2	5	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With constitutional psychopathic inferiority,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed,	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Not insane,	4	9	13	-	-	-	1	1	2	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-
Total,	145	171	316	-	-	-	10	5	15	11	13	24	14	9	23	16	22	38	14	17	31	11	19	30

TABLE B. — Age of First Admissions classified with Reference to Principal Psychoses — Continued.

Psychoses	Years											
	45-49			50-54			55-59			60-64		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Paranoid:												
1. Acute:	1	—	1	—	—	—	—	—	—	—	—	—
2. With rapid attachment:	—	—	—	—	—	—	—	—	—	—	—	—
3. Chronic paralytic:	—	—	—	—	—	—	—	—	—	—	—	—
4. With cerebral syphilis:	—	—	—	—	—	—	—	—	—	—	—	—
5. With Huntington's chorea:	—	—	—	—	—	—	—	—	—	—	—	—
6. With brain tumor:	—	—	—	—	—	—	—	—	—	—	—	—
7. With other brain or nervous diseases:	—	—	—	—	—	—	—	—	—	—	—	—
8. Alcohol:	—	—	—	—	—	—	—	—	—	—	—	—
9. Due to drugs and other toxic agents:	—	—	—	—	—	—	—	—	—	—	—	—
10. With pedoman:	—	—	—	—	—	—	—	—	—	—	—	—
11. With other somatic diseases:	—	—	—	—	—	—	—	—	—	—	—	—
12. Under treatment:	—	—	—	—	—	—	—	—	—	—	—	—
13. In relation to melancholia:	—	—	—	—	—	—	—	—	—	—	—	—
14. Delusory episodes:	—	—	—	—	—	—	—	—	—	—	—	—
15. Paranoia and paranoid conditions:	—	—	—	—	—	—	—	—	—	—	—	—
16. Catatonia:	—	—	—	—	—	—	—	—	—	—	—	—
17. Eschismoses:	—	—	—	—	—	—	—	—	—	—	—	—
18. With constitutional psychopathic inheritance:	—	—	—	—	—	—	—	—	—	—	—	—
19. With mental debility:	—	—	—	—	—	—	—	—	—	—	—	—
20. Undeveloped:	—	—	—	—	—	—	—	—	—	—	—	—
21. Not treated:	—	—	—	—	—	—	—	—	—	—	—	—
Total:	10	93	103	5	10	15	5	6	11	9	13	22

TABLE 9. — Degree of Education of First Admissions Classified with Reference to Psychoses.

Psychoses	Totals			Elementary			HIGHER AND UNIVERSITY			Common Schools			College			University Grads		
	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total
1. Compulsio,	4	4	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Schizo,	16	33	49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis,	34	17	51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. General paresis,	9	15	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. With cerebral syphilis,	0	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With tubercular disease,	0	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With lupus cerebri,	0	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or meningeal disease,	0	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcohol,	0	0	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. Typhus febrilis and other exogenous infection,	31	0	31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With malaria,	4	3	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other systemic disease,	14	37	51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13. Acute delirium,	0	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14. Convulsion unassociated,	0	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15. Convulsion periodic,	3	4	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16. Epilepsy,	0	0	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Psychoneurosis,	13	13	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. With constitutional psychopathic tendency,	0	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With mental debility,	0	0	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. Dementia,	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21. Paranoia,	0	0	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Post brain,	0	0	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total,	140	151	291	36	10	44	40	33	69	103	103	206	4	4	8	0	0	0

TABLE 10. — *Environment of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			URBAN.			RURAL.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	3	—	3	1	—	1	2	—	2
2. Senile,	15	17	32	5	7	12	10	10	20
3. With cerebral arteriosclerosis,	24	15	39	8	9	17	16	6	22
4. General paralysis,	9	6	15	4	3	7	5	3	8
5. With cerebral syphilis,	—	3	3	—	2	2	—	1	1
6. With Huntington's chorea,	—	1	1	—	—	—	—	1	1
7. With brain tumor,	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases,	5	8	13	2	3	5	3	5	8
9. Alcoholic,	21	9	30	15	5	20	6	4	10
10. Due to drugs and other exogenous toxins,	—	—	—	—	—	—	—	—	—
11. With pellagra,	—	2	2	—	1	1	—	1	1
12. With other somatic diseases,	4	12	16	2	6	8	2	6	8
13. Manic-depressive,	14	27	41	5	12	17	9	15	24
14. Involution melancholia,	—	5	5	—	3	3	—	2	2
15. Dementia præcox,	40	47	87	23	25	48	17	22	39
16. Paranoia and paranoic conditions,	—	—	—	—	—	—	—	—	—
17. Epileptic,	2	2	4	—	1	1	2	1	3
18. Psychoneuroses,	2	5	7	1	3	4	1	2	3
19. With constitutional psychopathic inferiority,	—	—	—	—	—	—	—	—	—
20. With mental deficiency,	—	1	1	—	—	—	—	1	1
21. Undiagnosed,	2	2	4	1	1	2	1	1	2
22. Not insane,	4	9	13	2	3	5	2	6	8
Total,	145	171	316	69	84	153	76	87	163

TABLE 11. — *Economic Condition of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			DEPENDENT.			MARGINAL.			COMFORTABLE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	3	—	3	—	—	—	2	—	2	1	—	1	—	—	—
2. Senile,	15	17	32	6	7	13	7	6	13	3	4	7	—	—	—
3. With cerebral arteriosclerosis,	24	15	39	9	2	11	12	8	20	3	5	8	—	—	—
4. General paralysis,	9	6	15	5	—	5	4	3	7	—	—	—	—	—	—
5. With cerebral syphilis,	—	3	3	—	1	1	—	2	2	—	—	—	—	—	—
6. With Huntington's chorea,	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
7. With brain tumor,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases,	5	8	13	2	—	2	2	—	—	1	—	—	—	—	—
9. Alcoholic,	21	9	30	2	1	3	15	8	23	4	2	6	—	—	—
10. Due to drugs and other exogenous toxins,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra,	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases,	4	12	16	1	1	2	3	10	13	—	—	—	—	—	—
13. Manic-depressive,	14	27	41	2	2	4	9	22	31	3	3	6	—	—	—
14. Involution melancholia,	—	5	5	—	—	—	—	3	3	—	—	—	—	—	—
15. Dementia precox,	40	47	87	6	7	13	31	32	63	3	3	6	—	—	—
16. Paranoia and paranoic conditions,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic,	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses,	2	5	7	—	1	1	2	1	3	—	—	—	—	—	—
19. With constitutional psychopathic inferiority,	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
20. With mental deficiency,	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed,	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—
22. Not insane,	4	9	13	2	4	6	2	4	6	—	—	—	—	—	—
Total,	145	171	316	35	29	64	93	112	205	17	30	47	—	—	—

TABLE 12. — *Use of Alcohol by First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.		ABSTINENT.		TEMPERATE.		INTERTEMPERATE.		UNASCERTAINED.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.	Totals.
1. Traumatic,	3	—	2	2	1	—	—	—	—	—
2. Senile,	15	17	6	13	8	2	—	—	—	—
3. With cerebral arteriosclerosis,	24	39	12	13	9	1	—	—	—	—
4. General paralysis,	9	15	3	25	6	2	—	—	—	—
5. With cerebral syphilis,	—	3	—	2	—	—	—	—	—	—
6. With Huntington's chorea,	—	3	—	1	—	—	—	—	—	—
7. With brain tumor,	—	1	—	1	—	—	—	—	—	—
8. With other brain or nervous diseases,	5	—	3	—	—	—	—	—	—	—
9. Alcoholic,	21	8	3	7	2	1	21	9	—	—
10. Due to drugs and other exogenous toxins,	—	9	—	—	—	—	—	—	—	—
11. With pellagra,	—	2	—	2	—	—	—	—	—	—
12. With other somatic diseases,	4	12	2	9	1	3	1	—	—	—
13. Manic-depressive,	14	27	6	25	7	—	1	1	—	—
14. Involution melancholia,	—	5	—	5	—	—	—	—	—	—
15. Dementia precox,	40	47	11	37	23	4	5	—	1	6
16. Paranoia and paranoid conditions,	—	2	1	—	—	—	—	—	—	—
17. Epileptic,	2	5	1	2	1	—	—	—	—	—
18. Psychoneuroses,	2	7	1	5	1	—	—	—	—	—
19. With constitutional psychopathic inferiority,	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency,	—	1	—	1	—	—	—	—	—	—
21. Undiagnosed,	2	2	—	1	2	—	—	—	—	—
22. Not insane,	4	9	3	6	1	3	—	—	—	—
Total,	145	171	50	131	62	16	32	11	1	13
				181		78	43			14

TABLE 13. — *Marital Condition of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			SINGLE.			MARRIED.			WIDOWED.			SEPARATED.			DIVORCED.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	3	1	3	5	3	8	3	3	6	5	1	6	3	1	4	1	1	2	1	1	2
2. Senile,	15	17	32	5	3	8	4	3	7	11	13	24	6	11	17	1	1	2	1	1	2
3. With cerebral arteriosclerosis,	24	15	39	5	1	6	12	1	13	6	13	19	2	6	8	1	1	2	1	1	2
4. General paralysis,	9	6	15	—	—	—	9	4	13	—	1	1	—	—	—	—	—	—	—	—	—
5. With cerebral syphilis,	—	3	3	—	—	—	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea,	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases,	5	8	13	2	1	3	3	3	6	—	3	3	1	1	2	—	—	—	—	—	—
9. Alcoholic,	21	9	30	5	1	6	14	6	20	2	1	3	1	1	2	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins,	—	2	2	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra,	4	12	16	1	2	3	2	8	10	1	2	3	—	—	—	—	—	—	—	—	—
12. With other somatic diseases,	14	27	41	5	7	12	7	17	24	2	3	5	—	—	—	—	—	—	—	—	—
13. Manic-depressive,	—	5	5	—	1	1	—	2	2	2	2	4	—	—	—	—	—	—	—	—	—
14. Involution melancholia,	40	47	87	27	16	43	10	25	35	2	4	6	—	—	—	1	1	2	1	1	2
15. Dementia precox,	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16. Paranoia and paranoid conditions,	2	4	6	1	2	3	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
17. Epileptic,	2	5	7	—	1	1	1	4	5	1	—	1	—	—	—	—	—	—	—	—	—
18. Psychoneuroses,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With constitutional psychopathic inferiority,	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency,	2	2	4	—	1	1	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed,	4	9	13	3	5	8	1	4	5	—	1	1	—	—	—	—	—	—	—	—	—
22. Not insane,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total,	145	171	316	54	41	95	68	83	151	20	41	61	—	4	4	2	2	4	1	—	1

TABLE 14. — *Psychoses of Readmissions.*

PSYCHOSES.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	-	-	-	-	-	-
2. Senile, total,	-	-	-	-	1	1
(c) Delirious and confused states,	-	1	1	-	-	-
3. With cerebral arteriosclerosis,	-	-	-	2	-	2
4. General paralysis,	-	-	-	2	1	3
5. With cerebral syphilis,	-	-	-	-	1	1
6. With Huntington's chorea,	-	-	-	-	-	-
7. With brain tumor,	-	-	-	1	-	1
8. With other brain or nervous diseases,	-	-	-	-	-	-
9. Alcoholic, total,	-	-	-	9	2	11
(c) Acute hallucinosis,	3	-	3	-	-	-
(e) Korsakow's,	3	1	4	-	-	-
(f) Chronic hallucinosis,	1	1	2	-	-	-
(g) Chronic paranoid type,	2	-	2	-	-	-
10. Due to drugs and other exogenous toxins,	-	-	-	-	-	-
11. With pellagra,	-	-	-	2	-	2
12. With other somatic diseases, total,	-	-	-	-	-	-
(c) Exhaustion delirium,	1	-	1	-	-	-
(f) Cardiorenal,	1	-	1	-	-	-
13. Manic-depressive, total,	-	-	-	11	14	25
(a) Manic type,	8	7	15	-	-	-
(b) Depressive type,	2	3	5	-	1	1
(d) Mixed type,	-	3	3	-	-	-
(e) Circular type,	1	1	2	-	-	-
14. Involution melancholia,	-	-	-	-	1	1
15. Dementia præcox, total,	-	-	-	24	10	34
(a) Paranoid type,	13	8	21	-	-	-
(b) Katatonic type,	2	1	3	1	1	2
(c) Hebephrenic type,	8	1	9	-	-	-
(d) Simple type,	1	-	1	-	-	-
16. Paranoia and paranoic conditions,	-	-	-	-	-	-
17. Epileptic, total,	-	-	-	1	1	2
(a) Deterioration,	-	1	1	-	-	-
(b) Clouded states,	1	-	1	-	-	-
18. Psychoneuroses, total,	-	-	-	1	2	3
(b) Psychasthenic type,	-	1	1	-	-	-
(c) Neurasthenic type,	1	1	2	-	-	-
19. With constitutional psychopathic inferiority,	-	-	-	-	-	-
20. With mental deficiency,	-	-	-	-	-	-
21. Undiagnosed,	-	-	-	1	-	1
22. Not insane, total,	-	-	-	1	-	1
(e) Mental deficiency without psychosis,	1	-	1	-	-	-
Total,	-	-	-	55	33	88

TABLE 15. — Discharges of Patients classified with Reference to Principal Psychoses and Condition on Discharge.

PSYCHOSES.	TOTAL.			RECOVERED.			IMPROVED.			UNIMPROVED.			NOT INSANE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2. Senile,	1	3	4	1	1	1	1	1	1	1	1	1	1	1	1
3. With cerebral arteriosclerosis,	4	1	5	1	1	2	1	1	2	1	1	2	1	1	2
4. General paralysis,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
5. With cerebral syphilis,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
6. With Huntington's chorea,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
7. With brain tumor,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
8. With other brain or nervous diseases,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
9. Alcoholic,	38	7	45	24	4	28	12	3	15	2	2	4	4	2	6
10. Due to drugs and other exogenous toxins,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
11. With pellagra,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
12. With other somatic diseases,	3	2	5	2	1	3	1	1	2	1	1	2	1	1	2
13. Manic-depressive,	27	17	44	15	12	27	8	3	11	4	2	6	4	2	6
14. Involution melancholia,	1	3	4	1	1	2	1	1	2	1	1	2	1	1	2
15. Dementia præcox,	14	19	33	1	1	2	7	14	21	7	5	12	4	2	6
16. Paranoia and paranoic conditions,	2	1	3	1	1	2	2	1	3	1	1	2	1	1	2
17. Epileptic,	4	4	8	1	3	4	3	1	4	1	1	2	1	1	2
18. Psychoneuroses,	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2
19. With constitutional psychopathic inferiority,	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2
20. With mental deficiency,	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2
21. Undiagnosed,	4	2	6	1	1	2	1	1	2	1	1	2	1	1	2
22. Not insane,	102	63	165	43	21	64	37	26	63	18	14	32	4	2	6
Total,	102	63	165	43	21	64	37	26	63	18	14	32	4	2	6

TABLE 16. — *Causes of Death of Patients classified with Reference to Principal Psychoses* — Continued.

[illegible]

TABLE 17. — Age of Patients at Time of Death classified with Reference to Principal Psychoses.

PSYCHOSES.	TOTAL.			YEARS.																				
	Males.	Females.	Totals.	UNDER 15.			15-19.			20-24.			25-29.			30-34.			35-39.			40-44.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	5	10	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2. Senile,	27	17	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3. With cerebral arteriosclerosis,	17	7	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4. General paralysis,	27	3	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5. With cerebral syphilis,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6. With Huntington's chorea,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7. With brain tumor,	3	5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8. With other brain or nervous diseases,	3	5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9. Alcoholic,	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10. Due to drugs and other exogenous toxins,	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11. With pellagra,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12. With other somatic diseases,	3	9	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
13. Manic-depressive,	4	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14. Involution melancholia,	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15. Dementia precox,	14	13	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
16. Paranoia and paranoic conditions,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
17. Epileptic,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18. Psychoneuroses,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
19. With constitutional psychopathic inferiority,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20. With mental deficiency,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21. Undiagnosed,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22. Not insane,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total,	77	69	146	-	-	-	-	1	1	2	-	2	2	5	3	8	2	4	6	4	11	15	-	

TABLE 18. — *Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses.*

Psychoses.	Total.			Months.												Years.					
				Less than 1.			1-3.			4-7.			8-12.						1-2.			3-4.
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			
1. Traumatic,	5	10	15	1	1	2	2	3	5	1	2	3	1	1	2	1	1	2			
2. Senile,	27	17	44	10	4	14	6	3	9	4	1	5	1	1	2	4	6	10			
3. With cerebral arteriosclerosis,	17	7	24	1	2	3	1	1	2	1	2	3	1	1	2	4	6	10			
4. General paralysis,	3	3	6	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2			
5. With cerebral syphilis,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2			
6. With Huntington's chorea,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2			
7. With brain tumor,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2			
8. With other brain or nervous diseases,	3	5	8	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2			
9. Alcoholic,	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2			
10. Due to drugs and other exogenous toxins,	3	3	6	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2			
11. With pellagra,	3	9	12	3	5	8	1	3	4	1	3	4	1	3	4	1	3	4			
12. With other somatic diseases,	4	2	6	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2			
13. Manic-depressive,	4	2	6	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2			
14. Involution melancholia,	14	13	27	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2			
15. Dementia precox,	14	13	27	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2			
16. Paranoia and paranoic conditions,	14	13	27	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2			
17. Epileptic,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2			
18. Psychoneuroses,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2			
19. With constitutional psychopathic inferiority,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2			
20. With mental deficiency,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2			
21. Undiagnosed,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2			
22. Not insane,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2			
Total,	77	69	146	17	13	30	9	12	21	6	11	17	11	3	14	16	10	26	4	8	12

TABLE 19. — *Family-care Department.*

	Males.	Females.	Totals.
Remaining Oct. 1, 1917,	4	25	29
Committed within the year,	1	2	3
Whole number of cases within the year,	5	27	32
Dismissed within the year,	2	10	12
Returned to institution,	2	9	11
Discharged,	-	-	-
Died,	-	1	1
Escaped,	-	-	-
Remaining Sept. 30, 1918,	3	17	20
Supported by State,	-	13	13
Private,	2	3	5
Self-supporting,	1	1	2
Number of different persons within the year,	4	25	29
Number of different persons admitted,	1	2	3
Number of different persons dismissed,	2	10	12
Daily average number,	2.84	20.73	23.57
State,	-	14.23	14.23
Private,	2.15	5.40	7.55
Self-supporting, . . . . .	.69	1.10	1.79

SIXTY-FOURTH ANNUAL REPORT
OF
THE TRUSTEES
OF THE
NORTHAMPTON STATE HOSPITAL
FOR THE
YEAR ENDING NOVEMBER 30, 1919



BOSTON
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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

LUKE CORCORAN, M.D.,	<i>Chairman,</i>	.	.	SPRINGFIELD.
MR. CHARLES W. KING,	.	.	.	CHICOPEE FALLS.
MR. EDWARD C. GERE,	.	.	.	NORTHAMPTON.
MR. HARRY L. HOWARD,	.	.	.	HATFIELD.
MR. JOSEPH W. STEVENS,	<i>Secretary,</i>	.	.	GREENFIELD.
MRS. EMILY N. NEWTON,	.	.	.	HOLYOKE.
MISS CAROLINE A. YALE,	.	.	.	NORTHAMPTON.

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,	.	.	.	<i>Superintendent.</i>
EDWARD W. WHITNEY, M.D.,	.	.	.	<i>Assistant Superintendent.</i>
ANGELA BOBER, M.D.,	.	.	.	<i>Senior Assistant Physician.</i>
ARTHUR N. BALL, M.D.,	.	.	.	<i>Senior Assistant Physician.</i>
— — —,	.	.	.	<i>Assistant Physician.</i>
— — —,	.	.	.	<i>Assistant Physician.</i>
HARRIET W. WHITNEY, M.D.,	.	.	.	<i>Physician to Out-patient and Social Service De- partments.</i>

NONRESIDENT OFFICERS.

MR. LEWIS F. BABBITT, ¹	.	.	.	<i>Treasurer and Clerk (office at the hospital).</i>
F. W. SMITH,	.	.	.	<i>Steward.</i>
P. W. STONE, D.D.S.,	.	.	.	<i>Dentist.</i>

HEADS OF DEPARTMENTS.

MR. L. W. SINCLAIR,	.	.	.	<i>Engineer.</i>
MR. R. OLIN ROBIE,	.	.	.	<i>Farmer.</i>
MISS S. E. WARREN,	.	.	.	<i>Matron.</i>
MISS LILLIAN S. GRAY,	.	.	.	<i>Social Service Worker.</i>
— — —,	.	.	.	<i>Director of Occupation Therapy.</i>

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R. H. SEELYE, M.D.,	.	.	.	SPRINGFIELD.
H. T. SHORES, M.D.,	.	.	.	NORTHAMPTON.

¹ Deceased.

The Commonwealth of Massachusetts

TRUSTEES' REPORT.

To His Excellency CALVIN COOLIDGE, *Governor of the Commonwealth, and the Honorable Council.*

The trustees of the Northampton State Hospital present as follows the annual report for the year ending Nov. 30, 1919, including as a part of it the reports of the superintendent and of the treasurer.

The treasurer's report shows that there was expended for maintenance \$308,615.59, and that \$35,693.23 of the appropriation for maintenance reverted to the State treasury.

Our receipts during the year were: from board of patients, \$64,551.37; from sales, \$4,647.96; from miscellaneous sources, \$1,765.09, making a total of \$70,964.42, which sum being deducted from the amount expended leaves \$237,651.17. The daily average number of patients was 968.95; the net weekly per capita cost was \$6.1251.

The two nurses' homes, for which a special appropriation was made in 1918, have been practically completed and are nearly ready for use.

From the superintendent's report it will be noted that our condition of overcrowding continues despite the many patients, 92 in number, transferred to institutions in the eastern part of the State. We still believe that our hospital should care for all the patients of the district served by it, and we refer to the recommendations repeatedly made in former reports for suitable provision within the district for all the mental cases of western Massachusetts. This matter is so important that we feel it our duty to again call attention to it. The present conditions are not just to the institution nor to the patients who are here and the patients who are to come to us.

Another matter of serious importance is the unsatisfactory scale of salaries and wages. It is at present so unsatisfactory as to preclude our procuring and retaining in our service enough employees to properly care for our patients. For quite obvious reasons it was impossible to fill our quota of employees during the period of war; but the great shortage of help still prevails, and from other causes that are remediable. We cannot compete with the industrial world. Employees leave us to receive more pay elsewhere, and the wages we are allowed to pay will not tempt others to fill their places. The faithful few who remain, therefore, have to do more than their share. The hospital is still in need of help in every department, and we urge that we be allowed to pay at least what is paid for like services in the neighborhood.

A piece of property on the corner of Grove and Laurel streets has been offered to us at what we consider a reasonable price. This property fronts on two streets; on the two other sides it is surrounded by hospital property. The hospital needs it for future development and to prevent its falling into the possession of others. Adjoining it is another piece almost entirely surrounded by hospital property except on the side toward the street. These two pieces have houses and barns, both of which will be useful to us. The houses especially will be found helpful in solving the housing problem for employees.

The following matters concerning the future welfare and development of the institution have been considered by us, and requests for appropriations to provide for them have been made through the Department of Mental Diseases: —

Boiler feed controllers for three water tube boilers, desirable for maintaining a flow of water to the boilers proportionate to the water evaporated, which is practically impossible with hand feeding, thus assisting the firemen in maintaining a constant furnace temperature necessary for complete combustion of fuel. All up-to-date steam plants having water tube boilers have some type of automatic water feed controllers.

CO₂ recording apparatus to furnish a continuous record of furnace temperatures.

Pipe covering for 6-inch steam main and 3½-inch return pipe from the engine room to the three halls south and the south infirmary.

Covering for pipes in the south infirmary heating system, and for the pipe to the coach barn.

An irrigation system to irrigate 5 acres of our garden plot, thus to save loss of crops from drought and to increase the yield per acre. In 1918 we suffered much from drought, and this present year early in the season we lost practically all of our onion crop, and the other early crops suffered from the same cause.

A sprinkler system to afford fire protection in the attics of our main buildings and the wings occupied by patients.

A 50-kilowatt generator for transforming our 110-volt direct current to a high voltage alternating current, for long distance, for the following purposes: to supply lights for our roadways, sidewalks and grounds, and the houses at a distance from the hospital, all of which are too far from the generating plant to be supplied with our low potential current; to run the dairy machinery, ensilage cutter, pump at the pump house, the ice machine, the stone crusher and the like.

One 25-horsepower motor for driving the stone crusher, and one for driving pumps for an irrigation system.

A cable for the street lights to run from the corner of the south courtyard to the main gate to replace a broken-down cable, which has been out of use the past year. A cable for the light and power from the engine room to the south infirmary fan room to replace an old underground cable which is nearly useless, and to provide additional capacity required to supply the new nurses' homes.

A 22-inch sliding head upright drill press to replace a worn-out 16-inch press.

A machine shaper to be used for flat surface work or new work, such as resurfacing steam pump valves and seats, steam pipe flanges, for cutting keyways, and the like.

A sensitive drill for light high speed work that cannot be done on a heavy power drill.

A concrete mixer for construction of sidewalks, foundations and building work, such as an institution of this kind has much need of.

Our associate, Mr. McQuaid, felt it his duty to resign, much to our regret, because his removal from the district prevented his regular attendance at our meetings. He took an active interest in the institution and its patients, being one of our most regular attendants. We shall miss the intelligent co-operation and the cordial relationship that existed between us. Mr. Charles W. King of Chicopee was appointed to fill the vacancy thus created, entering upon his duties in October.

Dr. Arthur N. Ball, senior assistant physician, and Dr. Philip Stone, dentist, who were granted leave of absence last year to enter the service of the government, were honorably

discharged, returning to our service, Dr. Ball in July and Dr. Stone in February.

During the greater part of the year the medical work of the institution was done with half of our quota of physicians. For months there was but one physician on each side of the hospital. Happily the services of the physician to the outpatient department were available, and she rendered excellent service in both the male and female departments.

In February Dr. Lilla Ridout was appointed to a position on our staff, but left before she had learned her duties, and in March Dr. Jean Christie was appointed, but she resigned to accept a more lucrative position before she had become at all helpful.

At the time of making this report there are two vacancies on our staff.

It is with sorrow that we record the death of Mr. L. F. Babbitt, our treasurer and steward. He had been connected with the hospital for nearly twenty-eight years, coming here as steward in 1891, and acting as assistant treasurer till 1897, when he was made treasurer. He fulfilled the duties of these two positions faithfully and well. He was strictly honest, painstaking and of excellent judgment, always looking to the best interests of the hospital. He was a valued official, and he will be greatly missed. Mr. Frank W. Smith was appointed steward in his place. For the present the superintendent is acting as treasurer.

LUKE CORCORAN, M.D.

CHARLES W. KING.

EDWARD C. GERE.

HARRY L. HOWARD.

JOSEPH W. STEVENS.

EMILY N. NEWTON.

CAROLINE A. YALE.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

Herewith is presented the report of the management of the hospital for the statistical year ending Sept. 30, 1919, and the fiscal year ending Nov. 30, 1919.

On Oct. 1, 1918, there were 1,009 patients under treatment in hospital and in family care; 463 were admitted during the year, making a total of 1,472 under treatment, which was 87 more than were cared for last year. In addition there were at the beginning of the year 144 out on visit and 16 on escape, making a total of 1,632 on our books, as shown by the statistical tables.

The daily average number in institution and in family care was 992.4, which is fewer than last year by a small number. The largest number under care on any one day was 1,022.

Of the 463 admissions, 100 had been here previously or in some other hospital, so that the number who were admitted for the first time to any hospital was 363. Of these, 156 were foreign born and 228 were of foreign parentage.

The following races were among those represented: Irish, 77; French, including French Canadian, 43; Slavonic, 37; Italian, 17; German, 16; English, including Canadian, 8; Magyar, 5; Scandinavian, 4; Scotch, 4; Greek, 5; Syrian, 2.

The average age of patients first admitted to any hospital was forty-six years, six months; 34 were between seventy and eighty years of age; and there were 16 over eighty years.

Only 118 cases admitted were of the forms of mental disease from which recoveries confidently may be expected, — 76 of manic-depressive psychoses, 36 of somatic psychoses, and 6 of psychoneuroses.

About 51 per cent had one of the forms of psychosis generally considered unfavorable for recovery, as follows: 138 cases of dementia præcox; 45 of cerebral arteriosclerosis; 29 of

senile psychoses; and 25 of general paresis and other syphilitic psychoses.

There were 39 cases in which alcohol was the principal etiological factor. There was a marked decrease in the number of cases from this cause as compared with previous years. Of these there were 12 acute cases this year, 18 cases a year ago, and 64 two years ago.

Three of the women admitted had pellagra, two of whom apparently recovered and are now at home doing well.

During the past year there were 167 admissions under the temporary-care act, of which number 145 were committed at the expiration of the ten days' period, and 17 others were committed for definite periods of observation, varying from thirty to ninety days. The number of voluntary admissions was 23 (of which number 12 had been here before, both committed and voluntary).

The number dismissed during the year was 417. Included in these were 119 patients who were away from the hospital on probation at the beginning of the year, and who, being well enough to remain away, were discharged at the end of their period of probation. Of the 417 patients discharged, 58 were considered recovered, 67 as improved, 47 as unimproved, and 16 were classified as not insane.

One hundred and thirty-seven patients died within the year. The principal causes of death were cerebral hemorrhage and cerebral arteriosclerosis, 42; influenzal broncho-pneumonia, 24; general paralysis and other syphilitic psychoses, 16; pulmonary tuberculosis, 8; chronic nephritis, 6; chronic myocarditis, 5; cerebral neoplasm, 3; diabetes mellitus, 3. At the end of the year 189 patients were away from the hospital on probation, and 20 were in family care.

In addition to the above numbers discharged, allowed to leave on visit and died, 92 were transferred to relieve our overcrowding, — 72 to Grafton State Hospital; 10 to Gardner State Colony; 6 to Monson State Hospital; 2 to Massachusetts School for the Feeble-minded; 1 to Worcester State Hospital; and 1 to Tewksbury.

Medical service throughout the year has been more arduous

than in any other recent year because of increased amount of work with a smaller staff.

During a larger part of the year there was but one assistant physician on each service, male and female, and the physician to the out-patient department, who gave up her special work to help in ward work in each service as required. The number of patients to be cared for was larger than ever, and we had a serious epidemic of influenza to deal with, affecting not only patients, but employees and three of the four physicians, including the superintendent. We were fortunate in having Dr. Paine of the Commission on Mental Diseases to help us during our extremity, to our great relief and to our great appreciation.

All the members of the staff deserve my commendation for their loyal attention to the extra demand upon them during this whole period. It is "no idle job" for one physician to have the care of 500 patients, admitting nearly half as many more, making the mental examinations, writing case histories, prescribing for them, attending to night calls, waiting upon visitors, replying to letters and telephone calls, making routine analyses, tests and vaccinations, lecturing to the nurses, attending to the clinics, and the like.

We have kept up our extraneous activities, holding clinics regularly at Springfield, Greenfield and Pittsfield, except during the period of quarantine, and opening a new one at North Adams, and entertaining with lectures and demonstrations classes in sociology, also in abnormal psychology, from Smith, Mount Holyoke and Amherst Colleges and the International College at Springfield. A second course of lectures with demonstrations was given to students of the Smith College Training School for Social Work, and a course of lectures on psychiatry was given to the nurses of the Dickinson Hospital.

By a rather rigid quarantine we seemed likely for several weeks to escape the serious epidemic of influenza, which was sweeping over the country. We early gave injections of vaccine to half of our population, it being then an untried measure. During the recurrent wave of the epidemic, entrance to the

institution was gained through employees who had come in contact with it outside and through numerous patients who had the disease on admission, — in some of the latter, in fact, the psychosis was caused by the influenza. The vaccine given did not seem to influence or control the situation in our hospital. We had altogether 182 cases among the male population, of whom 18 were employees. Thirty-one of these developed broncho-pneumonia. Among the women there were 69 cases, 22 of whom were employees. Thirty-one of these had broncho-pneumonia. Of the total 251 cases 21 died, one of whom was an employee.

Of 197 patients whose blood was examined to determine the presence or absence of syphilis the blood was found positive in 30 cases; negative in 156; doubtful in 11. Of 138 spinal fluid tests 24 were found positive; 108 negative; 6 doubtful.

The out-patient and social service activities, so well begun here nine years ago, have steadily increased in extent and importance, showing that such a need existed and that our efforts have been appreciated. To meet the growth of this important work we appointed an additional social service worker, Miss Lillian S. Gray, who came to us in March. She is a graduate of Vassar College, and was a member of the Smith College Training School for Social Work in 1918, completing her training with a course at the Massachusetts General Hospital before coming to us.

Our experience has shown us a clear need of a medical worker in this field. Court cases, examinations of cases and certifications for commitment to the schools for the feeble-minded, consultations with reference to commitment, or otherwise, to a State hospital, and the like, can best be done by a physician who is also trained in social service work. Massachusetts has been looked up to for its progress in these directions. As this report is being written, an intimation is made that economy may require some curtailment of our work, which would be regrettable.

The following, nearly in the words of the two officers in the out-patient department, gives only a brief outline of our activities.

Work was much curtailed in the out-patient department early in the year. The hospital was quarantined because of

the influenza, and the physician was engaged in ward work because of the depletion of the male staff, and also during the epidemic of influenza in the hospital.

Few applications were received for boarding patients, and some of those already in family care were returned to the hospital because of the increased cost of living.

The clinics at Springfield, Greenfield and Pittsfield have been found increasingly useful in the communities they serve, and an additional one has been established in North Adams, where we are meeting with the heartiest co-operation on the part of physicians, board of health and the various charitable and public welfare organizations. The Springfield clinic is now held in the rooms of the board of health in the municipal building. The improved surroundings and more accessible location have led to more frequent and voluntary reports from paroled patients.

One hundred and one cases were seen in consultation, 52 males and 49 females. Of these, 74 were examined because of suspected feeble-mindedness or delinquency, and 27 were neurasthenic or psychotic.

The State schools for the feeble-minded are overcrowded, and the waiting lists so long that it is only the younger and teachable children who can be received. There is a large number of adult or adolescent morons who are a menace to society if left at liberty in the community, but who are capable of regular employment under supervision. They cannot be received in the State schools, and it would seem that an industrial institution for such defectives would safeguard the community as well as the individual. The males are those arrested for petty crimes, and some of them were draft evaders or deserters from the army. Many of the girls become illegitimately pregnant at an early age.

The short-time limit permitted by law between the examination and commitment of the feeble-minded is a decided hardship in our experience. In some cases our physician makes long trips to examine these people. An application to the superintendent of the school is then necessary, and usually by the time a reply has been received a second examination is necessary before the case can be taken to court. If this second

examination is refused by parents or the individual, further action cannot be taken.

The conclusion of the statistical year, Sept. 30, 1919, practically marks also the end of the first six months of social service, as the work by Miss Gray was begun on March 23, 1919. During that time a total of 133 cases was considered, which may be roughly divided into six broad classes: boarding-out patients; soldier cases; cases referred for social history; cases referred for social investigation; cases seen at clinics; and special cases.

The class of boarding-out patients is treated statistically in Table No. 19, family-care department. A word might be said, however, in explanation of the apparent standstill in the development of this phase of the work as indicated by that table. At present it seems very difficult to secure suitable boarding places because of the great advance in the cost of living and the inadequacy of the boarding rate in meeting this problem. Everywhere the same story is heard, that even normal people are having great difficulty in securing boarding places in the country districts and small towns, which seem the best locations in which to place our patients. Very few families are considering taking another member into their group because of the cost of supplies and the difficulty in obtaining them. When the amount paid for the care of patients is not nearly sufficient to provide for their maintenance, families with the necessary high qualifications cannot find it possible to incur the extra expense.

In the last six months 23 cases of discharged soldiers have been considered. All soldiers are referred immediately to social service when they are admitted to the hospital, and as soon as possible thereafter are brought into contact with their local Red Cross chapter. In co-operation with the Red Cross workers, all matters of guardianship, compensation, bonus, insurance, etc., are attended to. These cases have presented some rather difficult problems in which the Red Cross chapters have been of the greatest service.

The majority of the cases referred by the physicians are for social history from outside sources, 26 of this type having been taken up in the six-month period. Occasionally a social prob-

lem is discovered which is helped either by the hospital social service, or is referred to the appropriate agency. The majority of these cases, however, cease to be within the realm of social service after the history is secured.

Social investigations are often closely connected with social histories, either developing from them or including them in the work done. In this period 16 distinct social investigations have been made. This group includes several quite different types. Investigations for recommendations to the judge in special court cases may take any form, due to the nature of the case; another type includes home investigations prior to the discharge of a patient or in connection with the boarding out of a patient; while a third consists of investigations of complaints. In this group are three cases referred by other State hospitals for investigation as they came within the Northampton district.

At the four clinics held in Springfield, North Adams, Greenfield and Pittsfield 22 cases have been considered. This number does not include any cases which are classified in any of the other divisions, such as those referred for history or investigation, although often these patients, their relatives or friends, are interviewed at the clinics. In this division are included chiefly those consultation cases of which a history was taken by the social worker to assist the examining physician, or which were referred to her for some other reason, such as assistance in making application to a school for the feeble-minded, or bringing the case into connection with some outside agency, etc.

The last group may be included under the broad, general heading of special cases, of which 19 have been considered in these six months. In this group come deportation cases on visit, and other cases which have been referred for special supervision after discharge, for arrangements for work, etc. It seems very possible that this group might be greatly increased with benefit to patients on visit, to the hospital and to the community by keeping patients at home as long as possible with assistance in the adjustment of difficulties, or by having them return to the hospital at the first sign of a recurrence of their mental trouble, hastening their recovery and

averting any possible danger. However, this phase of the work can be developed only gradually at present, owing to the greater number of other cases, the extensive territory to be covered, part of which is most difficult of access, and the large number of patients on visit in proportion to the small number of workers.

It is also interesting to note that 22 of the above-mentioned cases have been taken up in connection with outside agencies. These are exclusive of the soldier cases, in which all the work has been done in co-operation with the Red Cross. The other agencies which have been in touch with the hospital social service are the S. P. C. C., Associated Charities, overseers of the poor and police departments in various localities, which have given splendid co-operation in every instance. Equally valuable assistance has been received from Protestant, Roman Catholic and Hebrew churches. Other State departments, such as the minor wards, mothers' aid, and other State hospitals, have been very helpful.

The training school work was carried on under extreme difficulties. Because so few nurses were in service time could not be spared for class work.

The number of nurses and attendants through the year averaged a fraction of 1 per cent over 40 per cent of our quota, and care of patients was accomplished only by overtime service on the part of every one in the school. Eight pupil nurses entered the Junior class, 3 remaining at the end of the year.

Five intermediate pupils completed the second year's work; 1 left because of illness.

Miss Edith Pease returned from her year of affiliation with the Bellevue Hospital, and was graduated in May, 1919.

Four nurses are now taking the affiliating course at the State Infirmary at Tewksbury to complete their three-year course.

Work and play are essentials in the treatment of mental cases, — the two most potent remedial agents known. Whatever activity will engage a patient's interest, distracting attention from his worries and fancied wrongs will be found helpful. As set forth in former reports, we have made full

use of both agencies. As many patients as possible have been kept busy in every department of the institution, indoors and out. They have helped very materially in the useful work of the place. For themselves they have been encouraged to do according to their ability or inclination, and three teachers have been on the staff to stimulate those who have no initiative. We have been much handicapped by shortage of help, however. All three of our teachers of industries left us to enter the Federal service, and work has been done under the handicap of one teacher with no previous experience, despite which the work has continued, and much of real worth has been accomplished.

To enumerate the separate articles made would require too much time and space, but in brief, the following kinds of employments have been made use of: crocheting and knitting of sweaters, scarfs, mittens, socks, slippers, caps; weaving of rugs, towels, mats, hat bands, table runners; basketry; embroidery in great variety; and toy making. Much work for the Red Cross was done. All the above was principally for the therapeutic effect. In addition, much industrial work, as usual, was done for economical as well as for therapeutic purposes. The following is a list of articles made and repaired: shoes, — 498 pairs soled, 633 pairs heeled, 673 pairs patched; mattresses made of old material, also old hair and new ticks, 959; pillows made of old material, 312; pillows made with feather, cotton, old hair and new ticks, 155; burlap rugs sewed and hooked, 28; burlap rugs woven, 292; rag rugs woven, 244; sweaters made, 10; chairs caned, 78; brooms made, 535; hampers, 3; reed baskets, 37; reed trays, 30; brushes, 24. All the tinware in use in the institution is made at the hospital.

Much play, interesting diversion or entertainment, is beneficial; more is desirable than we have been able to give during the past two or three years, much to our regret, because of shortage of help and shortening of hours of the nurses. However, we have had a fairly good year in this respect. Moving pictures have been shown once a week. These, with occasional concerts and other gatherings, and with the religious services on Sundays, have averaged about four gatherings a week. In

February we had a masquerade party, which the patients always enjoy. In April the Henri Jacques Company gave their "Wonder Show." One evening the patients were also entertained by the Old Fashion Choir, and on July 4 there was a ball game and sports. At Hallowe'en parties were held on the different wards. At Christmas the patients enjoyed the large tree in the chapel, together with singing and distribution of gifts after the exercises. The halls were prettily decorated, and we had the usual Christmas dinner with turkey and fixings.

The farm report is favorable for the year, although the onion crop was practically a loss because of the period of drought in the early summer months, and the potatoes rotted badly, as almost everywhere else in this section of the country. The other crops were up to the average in yield. The total valuation of our farm products, by the prices established by the Department of Mental Diseases, was \$70,382.54.

Our cattle were all tested for tuberculosis under the supervision of the Department of Animal Industry. All affected or suspicious animals were removed, their places being filled with others that were tested before being allowed to come to us.

We have added, by purchase, 5 pure-bred cows and heifers of good breeding and type, and 1 bull. We now have a herd of 20 pure-bred cows, 30 heifers, 3 bulls and 5 calves, all of which are registered. Some of the low milk producing cows have been replaced by better ones, and the average production per cow has been increased very considerably. In 1918 the average production of 68 cows was 8,376 pounds; in 1919 the average of 52 cows was 8,831 pounds. Since last year a clarifier and pasteurizer have been installed and put to daily use.

Among the things accomplished the past year in the way of repairs, renewals and installations were the following: installed, a pasteurizer and a clarifier in the milk room, a new water heater for the laundry and regulator for the same, two new 100-gallon kettles and two three-compartment vegetable steamers in the kitchen, an electric call-system on the wards; new bathrooms on the upper floor of the administration building and two food elevators for the infirmaries; constructed, concrete foundation for a new silo, concrete conduit for pipes

from the refrigerating room to the coach barn, placing pipes for water and steam in the same; placed, a gasoline tank of 350 gallons capacity underground, and new baffles in boiler No. 2; substituted, brass pipe for old piping for hot water in various toilet sections on the wards; purchased, stock for rewiring the main barn, coach barn, piggery, carpenter shop and machine shop, a stone crusher, a CO₂ recorder and two draught gauges for the boilers, plumbing supplies for the second and third halls north, and supplies for a sprinkler system for the shops. In connection with the building of the nurses' homes we installed new steam mains and return pipes, an electrically driven pump to return the condensation, new water mains, sewer pipes, drain pipes for the tunnels leading to nurses' homes, electric wiring for lighting, and built cement steps. In the installation of the above our patients helped very materially.

We are glad to record our appreciation of gifts from sundry persons, as follows: Mrs. Crossin of Pittsfield sent magazines frequently, and at Christmas time she sent gifts of aprons, candy, handkerchiefs, etc., for the patients; Mrs. Henry Rose sent flowers; Mrs. L. Clark of Holyoke donated several packs of playing cards; Dr. W. T. Parker contributed music, books and magazines. The following people gave money at Christmas: Mrs. W. T. Parker, Mr. Johnson, Mr. Foley, Mr. Coward, Mr. John Fitzgerald and Mr. Hotine. We are indebted to more than 75 people in Northampton and suburbs for contributing magazines and books during the year.

We also wish to express our appreciation to the publishers of the following periodicals for regular issues of their journals: "Christian Register," "Christian Science Monitor," "Our Dumb Animals" and "New League Journal."

JOHN A. HOUSTON,

Superintendent.

VALUATION.

Nov. 30, 1919.

REAL ESTATE.

Land (513 acres),	\$120,787 50
Buildings,	895,006 12
	<hr/>
	\$1,015,793 62

PERSONAL PROPERTY.

Travel,	\$3,044 60
Food,	15,633 21
Clothing,	15,351 12
Furnishings,	70,771 97
Medical and general care,	1,830 87
Heat, light and power,	11,009 86
Farm,	44,061 02
Grounds,	3,501 69
Repairs,	16,908 17
	<hr/>
	\$182,112 51

SUMMARY.

Real estate,	\$1,015,793 62
Personal property,	182,112 51
	<hr/>
	\$1,197,906 13

TREASURER'S REPORT.

To the Commissioner of Mental Diseases.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1919: —

CASH ACCOUNT.

Balance Dec. 1, 1918,		\$4,617 98
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Receipts.

Institution Receipts.

Board of inmates: —

Private,	\$46,956 44	
Reimbursements, insane,	17,594 93	
		\$64,551 37

Sales: —

Travel, transportation and office ex-		
penses,	\$55 67	
Food,	1,044 79	
Clothing and materials,	323 12	
Furnishings and household supplies,	74 55	
Medical and general care,	3 86	
Heat, light and power,	78 12	
Farm and stable: —		
Cows and calves,	\$220 00	
Pigs and hogs,	2,520 40	
Empty sacks,	265 08	
		3,005 48
Repairs, ordinary,	62 37	
		4,647 96

Miscellaneous receipts: —

Interest on bank balances,	\$286 18	
Industries,	595 36	
Rent,	827 95	
Sundries,	55 60	
		1,765 09

Total institution receipts,	\$70,964 42	
Less adjustment account, 1918 income,	60 14	
		70,904 28
Amount carried forward,		\$75,522 26

Amount brought forward, \$75,522 26

Receipts from Treasury of Commonwealth.

Maintenance appropriations:—

Balance of 1918, \$12,844 40

Advance money (amount on hand November 30), 3,500 00

Approved schedules of 1919, \$280,632 99

Less returned, 3 80

280,629 19

296,973 59

Special appropriations, 88,743 60

Industries appropriation, November, 1918, schedule, 430 78

Total, \$461,670 23

PAYMENTS.

To treasury of Commonwealth, institution receipts, \$70,904 28

Maintenance appropriations:—

Balance November schedule, 1918, \$17,462 38

Eleven months' schedules, 1919, 280,629 19

November advances, 2,239 30

300,330 87

Special appropriations, approved schedules, 88,743 60

Industries appropriation, approved schedules, November, 1918, 430 78

Balance, Nov. 30, 1919,

In bank, \$690 20

In office, 570 50

1,260 70

Total, \$461,670 23

MAINTENANCE.

Appropriation, current year, \$343,500 00

Balance from previous year, brought forward, 808 82

Total, \$344,308 82

Expenses (as analyzed below), 308,615 59

Balance reverting to treasury of Commonwealth, \$35,693 23

Analysis of Expenses.

Personal services:—

J. A. Houston, superintendent, \$4,500 00

Medical, 7,068 77

Administration, 6,604 34

Kitchen and dining-room service, 7,979 93

Domestic, 8,175 70

Ward service (male), 17,998 16

Ward service (female), 16,948 19

Industrial and educational department, 1,308 80

Engineering department, 14,336 51

Repairs, 9,811 73

Farm, 12,272 55

Stable, garage and grounds, 2,142 98

\$109,147 66

Amount carried forward, \$109,147 66

Amount brought forward, \$109,147 66

Religious instruction: —

Catholic,	\$600 00
Protestant,	586 00

1,186 00

Travel, transportation and office expenses: —

Advertising,	\$230 59
Automobiles,	1,999 90
Automobile repairs and supplies,	1,100 08
Postage,	428 15
Printing and binding,	222 51
Printing annual report,	227 92
Stationery and office supplies,	1,284 27
Telephone and telegraph,	940 00
Travel,	1,249 29
Express,	260 15
Premium on bond,	20 00

7,962 86

Food: —

Flour,	\$14,813 31
Cereals, rice, meal, etc.,	3,171 02
Bread, crackers, etc.,	80 16
Peas and beans (canned and dried),	1,945 60
Macaroni and spaghetti,	701 51
Potatoes,	5 00
Meat,	18,466 68
Fish (fresh, cured and canned),	2,963 75
Butter,	5,558 47
Butterine, etc.,	6,191 65
Peanut butter,	3 87
Cheese,	2,032 74
Coffee,	819 29
Coffee substitutes,	506 75
Tea,	403 05
Cocoa,	299 00
Milk (whole),	3,043 08
Milk (condensed, evaporated, etc.),	139 00
Eggs (fresh),	10,662 24
Sugar (cane),	3,744 57
Sugar (maple, etc.),	30 00
Fruit (fresh),	1,864 52
Fruit (dried and preserved),	2,571 59
Lard and substitutes,	664 14
Molasses and syrups,	1,615 34
Vegetables (fresh),	255 35
Vegetables (canned and dried),	695 34
Seasonings and condiments,	860 72
Yeast, baking powder, etc.,	527 95
Sundry foods,	102 62
Gelatine,	208 96
Meals at fair,	13 85

84,961 12

Amount carried forward, \$203,257 64

Amount brought forward, \$203,257 64

Clothing and materials:—

Boots, shoes and rubbers,	\$1,177 47
Clothing (outer),	2,532 26
Clothing (under),	647 03
Dry goods for clothing,	755 38
Hats and caps,	70 00
Leather and shoe findings,	252 76
Machinery for manufacturing,	120 04
Socks and smallwares,	1,470 17
Sundries, materials for industries,	245 11

7,270 22

Furnishings and household supplies:—

Beds, bedding, etc.,	\$5,390 81
Carpets, rugs, etc.,	284 90
Crockery, glassware, cutlery, etc.,	426 55
Dry goods and smallwares,	2,568 39
Electric lamps,	508 83
Fire hose and extinguishers,	12 60
Furniture, upholstery, etc.,	634 53
Kitchen and household wares,	2,114 73
Laundry supplies and materials,	2,079 43
Lavatory supplies and disinfectants,	770 71
Machinery for manufacturing,	30 33
Table linen, paper napkins, towels, etc.,	279 76

15,101 57

Medical and general care:—

Books, periodicals, etc.,	\$300 62
Entertainments, games, etc.,	880 85
Funeral expenses,	25 00
Gratuities,	6 00
Ice and refrigeration,	856 15
Laboratory supplies and apparatus,	7 27
Medicines (supplies and apparatus),	2,018 87
Medical attendance (extra),	10 00
Patients boarded out,	2,329 74
Return of runaways,	92 49
Sputum cups, etc.,	25 45
Tobacco, pipes, matches,	411 60
Water,	3,253 34

10,217 38

Heat, light and power:—

Coal (bituminous),	\$9,154 75
Freight and cartage,	9,212 84
Coal (anthracite),	1,713 18
Freight and cartage,	740 08
Electricity,	66 67
Gas,	102 25
Oil,	157 92
Operating supplies for boilers and engines,	280 34
Coke,	9 00
Sundries,	9 35

21,446 38

Amount carried forward, \$257,293 19

Amount brought forward, \$257,293 19

Farm and stable: —

Bedding materials,	\$909 31	
Blacksmithing and supplies,	699 55	
Carriages, wagons and repairs,	398 17	
Dairy equipment and supplies,	4 55	
Fencing materials,	43 02	
Fertilizers,	1,937 28	
Grain, etc.,	13,372 12	
Harnesses and repairs,	173 85	
Horses,	854 78	
Cows,	5,093 32	
Other live stock,	155 00	
Labor (not on pay roll),	186 45	
Rent,	75 00	
Spraying materials,	243 98	
Stable and barn supplies,	147 27	
Tools, implements, machines, etc.,	2,097 58	
Trees, vines, seeds, etc.,	1,608 88	
Veterinary services, supplies, etc.,	333 23	
Sundries,	14 70	
Registration,	11 75	
		28,359 79

Grounds: —

Fertilizers,	\$13 04	
Tools, implements, machines, etc.,	56 70	
Trees, vines, shrubs, seeds, etc.,	413 77	
		483 51

Repairs, ordinary: —

Cement, lime, crushed stone, etc.,	\$1,935 07	
Electrical work and supplies,	1,801 62	
Hardware, iron, steel, etc.,	935 41	
Labor (not on pay roll),	19 63	
Lumber, etc. (including finished products),	3,286 68	
Paint, oil, glass, etc.,	2,046 28	
Plumbing and supplies,	1,061 26	
Roofing and materials,	34 43	
Steam fittings and supplies,	2,761 24	
Tools, machines, etc.,	518 24	
Boilers, repairs,	538 69	
Engines, repairs,	292 89	
Freight,	117 48	
		15,348 92

Repairs and renewals: —

Replacing silo,	\$537 04	
Electrical work,	919 21	
Plumbing,	3,262 93	
Stone crusher,	2,411 00	
		7,130 18

Total expenses for maintenance, \$308,615 59

RESOURCES AND LIABILITIES.

Resources.

Cash on hand,	\$1,260 70	
November cash vouchers (paid from advance money), account of maintenance,	2,239 30	
Due from treasury of Commonwealth from available appropriation, account of November, 1919, schedule,	24,486 40	
	<hr/>	\$27,986 40

Liabilities.

Schedule of November bills,	\$27,986 40
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PER CAPITA.

During the year the average number of inmates has been 968.95.

Total cost for maintenance, \$308,615.59.

Equal to a weekly per capita cost of \$6.12509.

Receipt from sales, \$5,183.18.

Equal to a weekly per capita of \$0.10287.

All other institution receipts, \$65,721.10.

Equal to a weekly per capita of \$1.3043.

Respectfully submitted,

JOHN A. HOUSTON,

Acting Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

ALONZO B. COOK,

Auditor.

STATISTICAL TABLES

AS ADOPTED BY AMERICAN MEDICO-PSYCHOLOGICAL
ASSOCIATION

PRESCRIBED BY MASSACHUSETTS DEPARTMENT ON MENTAL DISEASES

STATISTICAL TABLES.

TABLE 1. — *General Information.*

1. Date of opening as an institution for the insane: Aug. 16, 1858.		
2. Type of institution: State.		
3. Hospital plant: —		
Value of hospital property: —		
Real estate, including buildings,	\$895,006	12
Personal property,	182,112	51
Total,	\$1,077,118	63

Total acreage of hospital property, 513.

Acreage under cultivation during year, 210.

4. Medical service: —	Men.	Women.	Totals.
Superintendents,	1	—	1
Assistant physicians,	3	2	5
Medical internes,	—	—	—
Clinical assistants,	—	—	—
Total,	4	2	6
5. Employees: —	Males.	Females.	Totals.
Graduate nurses,	—	1	1
Other nurses and attendants,	28	25	53
Social workers,	—	1	1
All other employees,	43	28	71
Total,	71	55	126
6. Percentage of patients employed during	Men.	Women.	Totals.
year,	63.00	58.74	60.85

TABLE 2. — *Financial Statement.*

See treasurer's report for data requested under this table.

TABLE 3. — *Movement of Patient Population for the Year ending Sept. 30, 1919.*

	INSANE.			OTHER CLASSES.					TOTAL ON BOOKS.		
	Males.	Females.	Totals.	SANE, VOLUN- TARY.			INBEBRIATES.				
				Males.	Females.	Totals.	Males.	Females.	Totals.		
1. Patients on books of institution Sept. 30, 1918, Admissions during the year:— (a) First admissions, (b) Readmissions, Total admissions, (c) Transfers from other institutions for the insane, 2. Total received during year, 3. Total under treatment during year, Discharged from books during year:— (a) As recovered, (b) As improved, (c) As unimproved, (d) As not insane, (e) Transferred to other institutions for the insane, (f) Died during year, 4. Total discharged from books during year, 5. Patients remaining on books of institution Sept. 30, 1919, <i>Supplementary Data.</i> 6a. Average daily number of patients on books during year, 6b. Average daily number of patients actually in institution during year, 7a. Average daily number of patients in family care, 7b. Average daily number of patients on visit and escape, 8. Number of voluntary patients admitted during year, 9. Number of temporary-care cases admitted within the year, 10. Number of patients actually remaining in institution Sept. 30, 1919, State, Reimbursing, Private,	588 184 53 237 — 237 825 27 34 26 4 44 86 221 604 586.813 496.490 2.978 87.345 13 97 497 426 45 26	581 177 47 224 — 224 805 31 33 21 10 48 51 194 611 581.649 475.779 17.10 88.77 8 97 485 345 60 80	1,169 361 100 461 — 461 1,630 58 67 47 14 92 137 415 1,215 1,168.462 972.269 20.078 176.115 21 184 982 771 105 106	— — — — — — — — — — — — — — — — .052 .052 — — 2 — — — — — — — — — .052 .052 — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — 							

	17	20	Males.	Females.	Totals.
11. Number of patients in family care Sept. 30, 1919,	3	20	-	-	-
State,	17	15	-	-	17
Private,	15	15	-	-	15
Self-supporting,	2	4	-	-	2
Number of different persons within the year,	1	1	-	-	1
12. Number of different persons admitted from the community,	823	1,623	-	-	823
13. Number of different persons dismissed, exclusive of transfers,	235	456	-	-	235
14. Number of non-insane patients or inmates at end of institution year,	177	321	-	-	177
(k) Persons given advice or treatment in out-patient department during year,	.	.	.	.	.
	144	321	103	83	186

TABLE 4. — *Nativity of First Admissions and of Parents of First Admissions.*

NATIVITY.	PATIENTS.			PARENTS OF MALE PATIENTS.			PARENTS OF FEMALE PATIENTS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
United States,	104	100	204	57	64	121	66	63	129
Africa (South),	-	-	-	-	-	-	1	-	1
Austria,	8	12	20	8	9	17	13	12	25
Canada,	17	13	30	28	27	55	21	21	42
Denmark,	-	-	-	-	-	-	1	1	2
England,	2	5	7	2	2	4	2	4	6
Finland,	-	1	1	-	-	-	1	1	2
France,	1	-	1	1	1	2	1	-	1
Germany,	2	5	7	7	6	13	6	6	12
Greece,	3	-	3	3	3	6	-	-	-
Ireland,	15	21	36	34	34	68	36	41	77
Italy,	10	6	16	10	10	20	6	6	12
Norway,	1	-	1	1	1	2	-	-	-
Poland,	10	4	14	11	11	22	4	4	8
Russia,	5	6	11	7	6	13	7	8	15
Scotland,	-	2	2	2	1	3	5	4	9
Spain,	1	-	1	1	1	2	-	-	-
Sweden,	1	-	1	1	1	2	1	1	2
Switzerland,	-	-	-	2	1	3	-	-	-
Turkey in Asia,	2	-	2	2	2	4	-	-	-
Turkey in Europe,	1	1	2	1	1	2	1	1	2
Ukraine,	-	1	1	-	-	-	1	1	2
Wales,	-	-	-	1	-	1	-	-	-
Total foreign born,	79	77	156	122	117	239	107	111	218
Unascertained,	1	-	1	5	3	8	4	3	7
Grand total,	184	177	361	184	184	368	177	177	354

TABLE 5. — *Citizenship of First Admissions.*

	Males.	Females.	Totals.
Citizens by birth,	104	100	204
Citizens by naturalization,	29	34	63
Aliens,	43	32	75
Citizenship unascertained,	8	11	19
Total,	184	177	361

TABLE 6. — *Psychoses of First Admissions.*

PSYCHOSES.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic, total,				1	-	1
(a) Traumatic delirium,	1	-	1			
2. Senile, total,				9	17	26
(a) Simple deterioration,	4	2	6			
(b) Presbyophrenic type,	1	3	4			
(c) Delirious and confused states,	-	2	2			
(d) Depressed and agitated states in addition to deterioration,	1	6	7			
(e) Paranoid states in addition to deterioration,	2	3	5			
(f) Presenile type,	1	1	2			
3. With cerebral arteriosclerosis,				28	17	45
4. General paralysis,				15	4	19
5. With cerebral syphilis,				1	2	3
6. With Huntington's chorea,				1	-	1
7. With brain tumor,				1	1	2
8. With other brain or nervous diseases, total,				3	4	7
Locomotor ataxia,	-	1	1			
Tabo-paresis,	1	-	1			
Cerebrospinal syphilis,	2	2	4			
With tic douloureux,	-	1	1			
9. Alcoholic, total,				24	4	28
(a) Pathological intoxication,	1	-	1			
(c) Korsakow's psychosis,	2	-	2			
(d) Acute hallucinosis,	6	-	6			
(e) Chronic hallucinosis,	7	2	9			
(g) Chronic paranoid type,	8	2	10			
10. Due to drugs and other exogenous toxins,				1	-	1
(c) With illuminating gas,	1	-	1			
11. With pellagra,				-	3	3
12. With other somatic diseases, total,				11	23	34
(a) Delirium with influenzal broncho-pneumonia,	4	5	9			
(b) Post-influenzal psychosis,	3	3	6			
(c) Exhaustion delirium,	1	2	3			
(d) Delirium of unknown origin,	-	4	4			
(e) Cardiorenal disease,	-	1	1			
(g) (1) With acute nephritis,	-	1	1			
(2) With diabetes mellitus,	3	2	5			
(3) With tuberculosis,	-	5	5			
13. Manic-depressive, total,				16	27	43
(a) Manic type,	5	8	13			
(b) Depressive type,	11	15	26			
(d) Mixed type,	-	3	3			
(e) Circular type,	-	1	1			
14. Involution melancholia,				1	4	5
15. Dementia præcox, total,				52	47	99
(a) Paranoid type,	15	23	38			
(b) Katatonic type,	13	15	28			
(c) Hebephrenic type,	22	6	28			
(d) Simple type,	2	3	5			
16. Paranoia and paranoic conditions,				-	-	-
17. Epileptic, total,				2	-	2
(a) Deterioration,	1	-	1			
(b) Clouded state,	1	-	1			
18. Psychoneuroses, total,				1	4	5
(a) Hysterical type,	-	1	1			
(b) Psychasthenic type,	-	1	1			
(c) Neurasthenic type,	1	2	3			
19. With constitutional psychopathic inferiority,				-	-	-
20. With mental deficiency,				3	1	4
21. Undiagnosed,				8	6	14
22. Not insane, total,				6	13	19
(a) Epilepsy without psychosis,	1	2	3			
(b) Alcohol without psychosis,	-	2	2			
(c) Drug addiction without psychosis,	-	1	1			
(d) Constitutional psychopathic inferiority without psychosis,	1	-	1			
(e) Mental deficiency without psychosis,	4	6	10			
(f) (1) Influenza without psychosis,	-	1	1			
(2) Cardiorenal disease without psychosis,	-	1	1			
Total,				184	177	361

TABLE 7. — *Race of First Admissions classified with Reference to Psychoses.*

RACE.	TOTAL.			PSYCHOSES.												WITH HUNTINGTON'S CHOREA.			WITH CEREBRAL SYPHILIS.			WITH BRAIN TUMOR.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	Males.	Females.	Totals.	TRAUMATIC.			SENILE.			WITH CEREBRAL ARTERIO- SCLEROSIS.			GENERAL PARALYSIS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
African (black),	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—</

TABLE 7. — *Race of First Admissions classified with Reference to Psychoses* — Continued.

RACE.	PSYCHOSES.																		DEMENTIA PRECOX.					
	WITH OTHER BRAIN OR NERVOUS DISEASES.			ALCOHOLIC.			DUE TO DRUGS AND OTHER EXOGENOUS TOXINS.			WITH PELLAGRA.			WITH OTHER SOMATIC DISEASES.			MANIC- DEPRESSIVE.			INVOLUTION MELANCHOLIA.			Males.	Females.	Totals.
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			
African (black),	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
English,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Finnish,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
French,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
German,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Greek,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Hebrew,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Irish,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Italian,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Lithuanian,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Magyar,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Scandinavian,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Scottish,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Slavonic,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Spanish,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Syrian,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Mixed,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Total,	3	4	7	24	4	28	1	-	1	-	3	3	11	23	34	16	27	43	1	4	5	52	47	99

TABLE 9. — *Degree of Education of First Admissions classified with Reference to Psychoses.*

PSYCHOSES.	TOTAL.			ILLITERATE.			READS AND WRITES.			COMMON SCHOOL.			HIGH SCHOOL.			COLLEGE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	1	—	1	2	—	2	3	7	10	4	5	9	—	—	—	1	—	—	1	—	—
2. Senile,	9	17	26	17	45	62	5	9	14	13	7	20	2	—	2	—	—	2	—	—	1
3. With cerebral arteriosclerosis,	28	17	45	15	4	19	3	—	3	10	3	13	—	—	—	2	—	—	—	—	1
4. General paralysis,	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
5. With cerebral syphilis,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea,	1	1	2	—	—	—	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor,	3	4	7	—	—	—	2	1	3	1	3	4	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases,	24	4	28	6	—	6	9	1	10	7	3	10	2	—	2	—	—	—	—	—	—
9. Alcoholic,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins,	—	3	3	2	6	8	3	1	4	4	13	17	1	—	1	—	—	—	—	—	—
11. With pellagra,	11	23	34	16	27	43	4	7	11	10	12	22	—	—	—	1	—	—	—	—	—
12. With other somatic diseases,	1	4	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive,	52	47	99	8	4	12	13	12	25	20	24	44	9	5	14	1	1	2	1	1	2
14. Involution melancholia,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15. Dementia precox,	2	2	4	1	—	1	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
16. Paranoia and paranoid conditions,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic,	1	4	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With constitutional psychopathic inferiority,	3	1	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency,	8	6	14	2	—	2	2	2	4	2	1	3	—	—	—	—	—	—	—	—	—
21. Undiagnosed,	6	13	19	1	3	4	2	3	5	3	7	10	—	—	—	—	—	—	—	—	—
22. Not insane,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total,	184	177	361	32	22	54	51	46	97	80	88	168	14	17	31	5	1	6	2	3	5

TABLE 10. — *Environment of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			URBAN.			RURAL.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	1	—	1	—	—	—	1	—	1
2. Senile,	9	17	26	4	12	16	5	5	10
3. With cerebral arteriosclerosis,	28	17	45	15	10	25	13	7	20
4. General paralysis,	15	4	19	9	3	12	6	1	7
5. With cerebral syphilis,	1	2	3	1	1	2	—	1	1
6. With Huntington's chorea,	1	—	1	—	—	—	1	—	1
7. With brain tumor,	1	1	2	1	—	1	—	1	1
8. With other brain or nervous diseases,	3	4	7	1	2	3	2	2	4
9. Alcoholic,	24	4	28	9	3	12	15	1	16
10. Due to drugs and other exogenous toxins,	1	—	1	1	—	1	—	—	—
11. With pellagra,	—	3	3	—	2	2	—	1	1
12. With other somatic diseases,	11	23	34	4	13	17	7	10	17
13. Manic-depressive,	16	27	43	11	17	28	5	10	15
14. Involution melancholia,	1	4	5	—	2	2	1	2	3
15. Dementia præcox,	52	47	99	30	26	56	22	21	43
16. Paranoia and paranoic conditions,	—	—	—	—	—	—	—	—	—
17. Epileptic,	2	—	2	1	—	1	1	—	1
18. Psychoneuroses,	1	4	5	—	3	3	1	1	2
19. With constitutional psychopathic inferiority,	—	—	—	—	—	—	—	—	—
20. With mental deficiency,	3	1	4	2	—	2	1	1	2
21. Undiagnosed,	8	6	14	6	4	10	2	2	4
22. Not insane,	6	13	19	—	9	9	6	4	10
Total,	184	177	361	95	107	202	89	70	159

TABLE 11. — *Economic Condition of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			DEPENDENT.			MARGINAL.			COMFORTABLE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
2. Senile,	9	17	26	—	6	7	8	10	18	—	1	1	—	—	—
3. With cerebral arteriosclerosis,	28	17	45	2	7	9	25	8	33	1	2	3	—	—	—
4. General paralysis,	15	4	19	—	—	—	14	3	17	1	1	2	—	—	—
5. With cerebral syphilis,	1	2	3	—	1	1	1	1	2	—	—	—	—	—	—
6. With Huntington's chorea,	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
7. With brain tumor,	1	1	2	—	—	—	1	—	1	—	—	1	—	—	—
8. With other brain or nervous diseases,	3	4	7	—	—	—	3	3	6	—	1	1	—	—	—
9. Alcoholic,	24	4	28	—	—	—	24	4	28	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins,	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
11. With pellagra,	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases,	11	23	34	1	6	7	9	15	24	1	2	3	—	—	—
13. Manic-depressive,	16	27	43	—	1	1	15	21	36	1	1	2	—	—	—
14. Involution melancholia,	1	4	5	—	—	—	1	3	4	—	5	6	—	—	—
15. Dementia præcox,	52	47	99	5	7	12	46	35	81	—	—	5	1	—	1
16. Paranoia and paranoid conditions,	2	—	2	—	—	—	2	—	2	—	—	—	—	—	—
17. Epileptic,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses,	1	4	5	—	—	—	1	4	5	—	—	—	—	—	—
19. With constitutional psychopathic inferiority,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency,	3	1	4	—	—	—	2	1	3	—	1	1	—	—	—
21. Undiagnosed,	—	6	6	—	1	1	8	5	13	—	—	—	—	—	—
22. Not insane,	6	13	19	2	5	7	4	7	11	—	1	1	—	—	—
Total,	184	177	361	11	34	45	167	122	289	5	21	26	1	—	1

TABLE 12. — *Use of Alcohol by First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			ABSTINENT.			TEMPERATE.			INTERTEMPERATE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	1	17	18	3	14	17	4	—	4	1	—	1	1	—	1
2. Senile,	9	17	26	12	12	24	11	—	14	1	—	1	1	—	2
3. With cerebral arteriosclerosis,	28	17	45	5	2	7	6	—	8	4	—	4	1	—	3
4. General paralysis,	15	4	19	5	2	7	1	—	1	3	—	3	1	—	1
5. With cerebral syphilis,	1	2	3	—	1	1	1	—	1	—	—	—	—	—	—
6. With Huntington's chorea,	1	—	1	1	—	1	1	—	1	—	—	—	—	—	—
7. With brain tumor,	1	1	2	—	1	1	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases,	3	4	7	1	2	3	2	1	3	—	—	—	1	—	1
9. Alcoholic,	24	4	28	1	—	1	—	—	—	24	4	28	—	—	—
10. Due to drugs and other exogenous toxins,	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
11. With pellagra,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases,	—	23	23	5	3	8	4	2	6	2	—	2	—	—	4
13. Manic-depressive,	16	27	43	6	17	23	4	2	6	5	—	5	1	2	4
14. Involution melancholia,	1	4	5	1	4	5	—	—	—	—	—	—	—	—	3
15. Dementia præcox,	52	47	99	21	40	61	18	1	19	11	—	11	2	6	8
16. Paranoia and paranoic conditions,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic,	2	—	2	1	—	1	1	—	1	—	—	—	—	—	—
18. Psychoneuroses,	1	4	5	1	4	5	—	—	—	—	—	—	—	—	—
19. With constitutional psychopathic inferiority,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency,	3	1	4	1	1	2	2	—	2	—	—	—	—	—	—
21. Undiagnosed,	8	6	14	4	6	10	3	—	3	—	—	—	1	—	1
22. Not insane,	6	13	19	4	8	12	1	—	1	1	4	5	—	1	1
Total,	184	177	361	67	139	206	58	10	68	51	8	59	8	20	28

TABLE 13. — *Marital Condition of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			SINGLE.			MARRIED.			WIDOWED.			SEPARATED.			DIVORCED.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	1	1	2	2	1	3	1	4	5	4	12	16	1	1	2	1	1	2	1	1	2
2. Senile,	9	17	26	3	8	11	2	4	6	1	10	16	1	1	2	1	1	2	1	1	2
3. With cerebral arteriosclerosis,	28	17	45	3	5	8	13	2	15	12	10	22	1	1	2	1	1	2	1	1	2
4. General paralysis,	15	4	19	3	3	6	10	4	14	2	2	4	1	1	2	1	1	2	1	1	2
5. With cerebral syphilis,	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
6. With Huntington's chorea,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
7. With brain tumor,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
8. With other brain or nervous diseases,	3	4	7	1	1	2	14	4	18	2	2	4	1	1	2	1	1	2	1	1	2
9. Alcoholic,	24	4	28	7	7	14	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
10. Due to drugs and other exogenous toxins,	1	3	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
11. With pellagra,	1	3	4	1	1	2	8	11	19	1	5	6	1	1	2	1	1	2	1	1	2
12. With other somatic diseases,	11	23	34	6	6	12	7	21	28	3	1	4	1	1	2	1	1	2	1	1	2
13. Manic-depressive,	16	27	43	6	12	18	1	3	4	2	3	5	1	1	2	1	1	2	1	1	2
14. Involution melancholia,	1	4	5	1	1	2	16	18	34	2	3	5	1	1	2	1	1	2	1	1	2
15. Dementia precox,	52	47	99	34	24	58	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
16. Paranoia and paranoid conditions,	2	2	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
17. Epileptic,	2	4	6	1	3	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
18. Psychoneuroses,	1	4	5	1	3	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
19. With constitutional psychopathic inferiority,	3	1	4	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
20. With mental deficiency,	8	6	14	3	3	6	4	2	6	1	1	2	1	1	2	1	1	2	1	1	2
21. Undiagnosed,	6	13	19	6	5	11	1	8	9	1	1	2	1	1	2	1	1	2	1	1	2
22. Not insane,	184	177	361	73	56	129	81	85	166	27	32	59	2	2	4	1	1	2	3	1	4
Total,	184	177	361	73	56	129	81	85	166	27	32	59	2	2	4	1	1	2	3	1	4

TABLE 14. — *Psychoses of Readmissions.*

PSYCHOSES.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	—	—	—	—	—	—
2. Senile, total,	—	—	—	2	1	3
(a) Simple deterioration,	1	—	1	—	—	—
(e) Paranoid type,	—	1	1	—	—	—
(f) Presenile type,	1	—	1	—	—	—
3. With cerebral arteriosclerosis,	—	—	—	—	—	—
4. General paralysis,	—	—	—	3	—	3
5. With cerebral syphilis,	—	—	—	—	—	—
6. With Huntington's chorea,	—	—	—	—	—	—
7. With brain tumor,	—	—	—	—	—	—
8. With other brain or nervous diseases,	—	—	—	—	—	—
9. Alcoholic, total,	—	—	—	10	1	11
(a) Pathological intoxication,	1	—	1	—	—	—
(b) Delirium tremens,	2	—	2	—	—	—
(d) Acute hallucinosis,	2	—	2	—	—	—
(e) Chronic hallucinosis,	1	1	2	—	—	—
(g) Chronic paranoid,	4	—	4	—	—	—
10. Due to drugs and other exogenous toxins,	—	—	—	—	—	—
11. With pellagra,	—	—	—	—	—	—
12. With other somatic diseases, total,	—	—	—	1	1	2
(a) With typhoid fever,	—	1	1	—	—	—
(c) Cardiorenal disease,	1	—	1	—	—	—
13. Manic-depressive, total,	—	—	—	11	22	33
(a) Manic type,	4	8	12	—	—	—
(b) Depressive type,	5	7	12	—	—	—
(d) Mixed type,	2	5	7	—	—	—
(e) Circular type,	—	2	2	—	—	—
14. Involution melancholia,	—	—	—	1	1	2
15. Dementia præcox, total,	—	—	—	21	18	39
(a) Paranoid type,	2	11	13	—	—	—
(b) Katatonic type,	9	6	15	—	—	—
(c) Hebephrenic type,	9	1	10	—	—	—
(d) Simple type,	1	—	1	—	—	—
16. Paranoia and paranoic conditions,	—	—	—	—	—	—
17. Epileptic, total,	—	—	—	1	—	1
(b) Clouded state,	1	—	1	—	—	—
18. Psychoneuroses, total,	—	—	—	—	1	1
(b) Psychasthenic type,	—	1	1	—	—	—
19. With constitutional psychopathic inferiority,	—	—	—	—	—	—
20. With mental deficiency,	—	—	—	2	—	2
21. Undiagnosed,	—	—	—	—	—	—
22. Not insane, total,	—	—	—	1	2	3
(d) Constitutional psychopathic inferiority without psychosis,	—	1	1	—	—	—
(e) Mental deficiency without psychosis,	—	1	1	—	—	—
(f) No psychosis,	1	—	1	—	—	—
Total,	—	—	—	53	47	100

TABLE 15. — Discharges of Patients classified with Reference to Principal Psychoses and Condition on Discharge.

PSYCHOSES.	TOTAL.			RECOVERED.			IMPROVED.			UNIMPROVED.			NOT INSANE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	1	2	3	1	1	2	2	1	3	1	1	2	1	1	2
2. Semle,	3	2	5	1	1	2	1	1	2	1	1	2	1	1	2
3. With cerebral arteriosclerosis,	3	2	5	1	1	2	1	1	2	1	1	2	1	1	2
4. General paralysis,	2	1	3	1	1	2	1	1	2	1	1	2	1	1	2
5. With cerebral syphilis,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
6. With Huntington's chorea,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
7. With brain tumor,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
8. With other brain or nervous diseases,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
9. Alcoholic,	17	1	18	10	1	11	7	1	8	1	1	2	1	1	2
10. Due to drugs and other exogenous toxins,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
11. With pellagra,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
12. With other somatic diseases,	5	10	15	3	7	10	2	1	3	5	2	7	4	2	6
13. Manic-depressive,	25	28	53	13	20	33	7	3	10	5	5	10	2	2	4
14. Involution melancholia,	24	7	31	7	3	10	12	2	14	12	5	17	1	1	2
15. Dementia praecox,	24	28	52	12	23	35	12	23	35	12	5	17	1	1	2
16. Paranoia and paranoid conditions,	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2
17. Epileptic,	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2
18. Psychoneuroses,	2	4	6	1	1	2	1	1	2	1	1	2	1	1	2
19. With constitutional psychopathic inferiority,	4	1	5	1	1	2	3	1	4	1	1	2	1	1	2
20. With mental deficiency,	4	1	5	1	1	2	1	1	2	1	1	2	1	1	2
21. Undiagnosed,	4	10	14	1	1	2	1	1	2	1	1	2	1	1	2
22. Not insane,	4	10	14	1	1	2	1	1	2	1	1	2	1	1	2
Total,	91	95	186	27	31	58	34	33	67	26	21	47	4	10	14

Endocarditis, acute,	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endocarditis, chronic,	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Myocarditis, chronic,	3	2	5	-	1	2	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Respiratory System.</i>																					
Broncho-pneumonia,	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Influenza and broncho-pneumonia,	20	4	24	1	3	-	3	2	1	3	-	1	1	1	-	-	-	-	-	-	-
Tuberculosis, pulmonary,	5	3	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Digestive System.</i>																					
Acute enteritis,	1	-	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic gastro-enteritis,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Genitourinary System.</i>																					
Acute nephritis,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic interstitial nephritis,	2	1	3	-	-	1	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-
Chronic parenchymatous nephritis,	2	1	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>External Causes.</i>																					
Starvation,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Suicide by hanging,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ill-defined Diseases.</i>																					
Sudden death due to natural causes (coroner's certificate),	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total,	86	51	137	2	2	7	11	18	24	13	37	10	3	13	1	2	3	-	2	1	3

TABLE 16. — Causes of Death of Patients classified with Reference to Principal Psychoses — Continued.

CAUSE OF DEATH.	PSYCHOSES.											
	WITH OTHER BRAIN OR NERVOUS DISEASES.			ALCOHOLIC.			DUE TO DRUGS AND OTHER EXOGENOUS TOXINS.			WITH PELLAGRA.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
<i>General Diseases.</i>												
Carcinoma of intestines, . . .	1	1	2	1	1	2	1	1	2	1	1	2
Carcinoma of rectum, . . .	1	1	2	1	1	2	1	1	2	1	1	2
Carcinoma of stomach, . . .	1	1	2	1	1	2	1	1	2	1	1	2
Diabetes mellitus, . . .	1	1	2	1	1	2	1	1	2	1	1	2
Disseminated tuberculosis, . . .	1	1	2	1	1	2	1	1	2	1	1	2
Epithelioma of face, . . .	1	1	2	1	1	2	1	1	2	1	1	2
Erysipelas, . . .	1	1	2	1	1	2	1	1	2	1	1	2
Exophthalmic goiter, . . .	1	1	2	1	1	2	1	1	2	1	1	2
Myxædema, . . .	1	1	2	1	1	2	1	1	2	1	1	2
Septicæmia from streptococic infection, . . .	1	1	2	1	1	2	1	1	2	1	1	2
Tubercular peritonitis, . . .	1	1	2	1	1	2	1	1	2	1	1	2
<i>Nervous System.</i>												
Cerebral hemorrhage, . . .	1	1	2	1	1	2	1	1	2	1	1	2
Cerebral neoplasm, . . .	1	1	2	1	1	2	1	1	2	1	1	2
Cerebro-spinal syphilis, . . .	1	1	2	1	1	2	1	1	2	1	1	2
General paralysis of the insane, . . .	1	1	2	1	1	2	1	1	2	1	1	2
Locomotor ataxia, . . .	1	1	2	1	1	2	1	1	2	1	1	2
Tubo-paresis, . . .	1	1	2	1	1	2	1	1	2	1	1	2
<i>Circulatory System.</i>												
Acute cardiac dilatation, . . .	1	1	2	1	1	2	1	1	2	1	1	2
Cerebral arteriosclerosis, . . .	1	1	2	1	1	2	1	1	2	1	1	2
Cerebral thrombosis, . . .	1	1	2	1	1	2	1	1	2	1	1	2
Dementia præcox, . . .	1	1	2	1	1	2	1	1	2	1	1	2
Involution melancholia, . . .	1	1	2	1	1	2	1	1	2	1	1	2
Manic-depressive, . . .	1	1	2	1	1	2	1	1	2	1	1	2
With other somatic diseases, . . .	1	1	2	1	1	2	1	1	2	1	1	2
Totals, . . .	1	1	2	1	1	2	1	1	2	1	1	2

[illegible]

[illegible]

TABLE 19. — *Family-care Department.*

	Males.	Females.	Totals.
Remaining Oct. 1, 1918,	3	17	20
Committed within the year,	1	8	9
Whole number of cases within the year,	4	25	29
Dismissed within the year,	1	8	9
Returned to institution,	-	8	8
Discharged,	-	-	-
Died,	1	-	1
Escaped,	-	-	-
Remaining Sept. 30, 1919,	3	17	20
Supported by State,	-	15	15
Private,	2	2	4
Self-supporting,	1	-	1
Number of different persons within the year, . .	4	23	27
Number of different persons admitted,	1	6	7
Number of different persons dismissed, . . .	1	6	7
Daily average number,	2.978	17.10	20.078
State,	-	14.635	14.635
Private,	1.978	2.465	4.443
Self-supporting,	1	-	1



The Commonwealth of Massachusetts

ANNUAL REPORT.

OF

THE TRUSTEES

OF THE

NORTHAMPTON STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1920

DEPARTMENT OF MENTAL DISEASES



BOSTON

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APPROVED BY THE
SUPERVISOR OF ADMINISTRATION.

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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

Mr. CHARLES W. KING,	Chicopee Falls.
Mr. EDWARD C. GERE,	.	.	.	.	.	.	Northampton.
Mr. HARRY L. HOWARD,	.	.	.	.	.	.	Hatfield.
Mr. JOSEPH W. STEVENS, <i>Secretary</i>,	.	.	.	.	.	.	Greenfield.
Mrs. EMILY N. NEWTON,	.	.	.	.	.	.	Holyoke.
Miss CAROLINE A. YALE,	.	.	.	.	.	.	Northampton.
LUKE CORCORAN, M.D., <i>Chairman</i>,	.	.	.	.	.	.	Springfield.

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,	.	.	.	.	.	<i>Superintendent.</i>
EDWARD W. WHITNEY, M.D.,	.	.	.	.	.	<i>Assistant Superintendent.</i>
ANGELA BOBER, M.D.,	.	.	.	.	.	<i>Senior Assistant Physician.</i>
ARTHUR N. BALL, M.D.,	.	.	.	.	.	<i>Senior Assistant Physician.</i>
— — — . . . . .	.	.	.	.	.	<i>Assistant Physician.</i>
— — — . . . . .	.	.	.	.	.	<i>Assistant Physician.</i>
HARRIET W. WHITNEY, M.D.,	.	.	.	.	.	<i>Physician to Out-patient and Social Service De- partments.</i>

NONRESIDENT OFFICERS.

Miss EVA L. GRAVES,	.	.	.	.	.	<i>Chief Clerk and Treasurer (office at the hospital).</i>
— — — . . . . .	.	.	.	.	.	<i>Dentist.</i>

HEADS OF DEPARTMENTS.

Mr. L. W. SINCLAIR,	.	.	.	.	.	<i>Engineer.</i>
Mr. GEORGE B. ALLEN,	.	.	.	.	.	<i>Farmer.</i>
Mr. FRANK W. SMITH,	.	.	.	.	.	<i>Steward.</i>
Miss S. E. WARREN,	.	.	.	.	.	<i>Matron.</i>
— — — . . . . .	.	.	.	.	.	<i>Social Service Worker.</i>
Miss PAULINE A. KINUM,	.	.	.	.	.	<i>Director of Occupation Therapy.</i>

CONSULTING BOARD OF PHYSICIANS AND SURGEONS.

E. A. BATES, M.D.,	.	.	.	.	.	Springfield.
E. W. BROWN, M.D.,	.	.	.	.	.	Northampton.
W. J. COLLINS, M.D.,	.	.	.	.	.	Northampton.
C. R. GARDNER, M.D.,	.	.	.	.	.	Northampton.
D. E. HARRIMAN, M.D.,	.	.	.	.	.	Springfield.
R. H. SEELYE, M.D.,	.	.	.	.	.	Springfield.
H. T. SHORES, M.D.,	.	.	.	.	.	Northampton.

The Commonwealth of Massachusetts

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital present herewith their annual report, and the reports of the superintendent and the treasurer, for the year ending Nov. 30, 1920.

The daily average number of patients cared for was 1,007.56, at an expenditure of \$350,474.41. The per capita cost was greater than in years gone by because of higher costs of labor and of supplies, but though the daily average number of patients was larger than the number for which the appropriation was made, we were able to turn back into the State treasury the sum of \$37,510.17.

Our receipts during the year were as follows: from board of patients, \$78,476.30; from sales, \$3,196.32; miscellaneous receipts, \$1,819.59, making a total of \$83,492.21.

The net weekly per capita cost was \$6.6892.

The condition of overcrowding mentioned in every annual report for many years has continued and cannot be relieved till definite measures are taken to increase our accommodations in some such manner as urged by us in former reports. In connection with this we mention the project of establishing in the western part of the State a hospital for the examination and observation of nervous and mental cases pending the determination of commitment to the State hospital. This has already met with the approval of the Department of Mental Diseases, and in a way has had the sanction of a former Legislature. This project may well await a more favorable time when the care of its dependents is not so great a burden to the State, but we wish to keep the matter before the public,

and hope the day may not be too far in the future when the project may become an accomplished fact.

The Legislature of 1920 made an appropriation of \$7,500 for the purchase of land and buildings. At the present date we have purchased the so-called Kellogg property on Grove Street, consisting of a house and barn and two acres of land adjoining other land belonging to the hospital. There was a delay in procuring a clear title, so that we have not yet been able to make any use of the house, but we had good hay crops and a fair quantity of fruit, — apples, peaches and grapes. The property will make a valuable addition to our holdings.

The great difficulty that we experienced during the period of the war in obtaining help of all kinds has continued throughout the year. In some kinds of labor this was due to the larger wages paid outside the institution, but now we are having more applications, and are able to make some kind of a selection of our help, a thing hardly possible for many months past. We are still very short on our medical staff and in our nursing service. However, we have had no serious accident or unfortunate circumstance due to our shortage of help. As a rule, those who have remained in our service have been loyal, and nearly every one has given many extra hours of service. To them we give much praise and an expression of our appreciation.

We have made regular visits to the institution, and have been pleased at the quite general appearance and frequent expressions of contentment of the inmates.

Our dentist, Philip Stone, resigned September 10, and on the last day of the year our head farmer left us to accept a position elsewhere.

There has been no change in the personnel of our Board during the year.

CHARLES W. KING.
EDWARD C. GERE.
HARRY L. HOWARD.
JOSEPH W. STEVENS.
EMILY N. NEWTON.
CAROLINE A. YALE.
LUKE CORCORAN, M.D.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

The superintendent's report of the affairs of the hospital for the year ending Nov. 30, 1920, is herewith presented.

The number of patients in the hospital at the beginning of the statistical year, Oct. 1, 1919, was 982; there were 20 in family care, 189 on visit and 25 on elopement (as carried on our books over a period of several years), a total of 1,216. There were admitted 448, thus making a total number on our books of 1,664.

The number discharged during the year was 445, leaving 975 in the hospital, and 244 on our books at the end of the year, — 10 in family care, and 234 on visit and escape.

The daily average number in the institution during the year was 1,008, and the largest number on any one day was 1,053.

Of 448 patients admitted during the year, 349 had never been in any hospital for the care of mental cases, and these are the cases that figure in the statistical tables appended to this report. The remaining 97 had been in this hospital previously, or in some other hospital for the care of mental cases.

Of the 349 first admissions, 132 were foreign born and 74 were of foreign parentage. The foreign born were of the following races: 11 Austrians, 29 Canadians, 1 Danish, 3 English, 1 French, 7 German, 1 Greek, 27 Irish, 12 Italian, 14 Polish, 16 Russian, 5 Scotch, 4 Swedish, 1 Turkish.

As usual in recent years there were many old persons admitted; 33 were between seventy and eighty years of age, 15 over eighty, 1 man ninety-two, 1 man ninety-five, and 1 woman ninety.

The average age of all patients admitted was forty-four years.

The principal psychoses among the first admissions were as follows: dementia præcox, 96; manic-depressive, 49; senile psychosis and cerebral arteriosclerosis, 57; alcoholic, 23; somatic psychoses, 18; general paresis, 14.

Voluntary cases to the number of 17 were admitted.

The temporary-care cases and observation cases numbered 188, of which number 19 were discharged before the expiration of the time limit without being committed.

In our report of last year it was noted that there was a marked decrease in the number of cases admitted in which the cause was the excessive use of alcohol. The same has been true of the cases admitted this year, there having been only 23 cases in which alcohol was the principal causative factor.

The dismissals numbered 445, of which number 73 were discharged as recovered, 76 as improved, 47 as not improved, and 7 as not insane.

The Department of Mental Diseases transferred 106 patients to other institutions, as follows: Monson State Hospital, 5; Grafton State Hospital, 45; Medfield State Hospital, 47; Gardner State Colony, 7; McLean Hospital at Waverley, 1; Dr. Mellus' Sanitarium at Newton, 1.

The deaths numbered 136 during the year. The principal causes of death were as follows: cerebral hemorrhage in 46 cases; paralysis of the insane in 13 cases; other gross brain lesions in 8 cases; chronic myocarditis in 21 cases; tuberculosis in 7 cases. One patient died of pellagra. Nearly every year recently we have had cases of pellagra. It is probable that we had cases in earlier years, but were not familiar enough with the disorder to make a diagnosis.

During the early part of the year there was a good deal of illness throughout the hospital, including 180 cases of influenza of a mild type, confined to the women's side of the institution, and 14 cases of typhoid fever. The source of the epidemic of typhoid fever was not definitely ascertained by the district health officer who made investigation, but it seemed likely to be due to a typhoid carrier in the general kitchen. The possibility of such an epidemic being caused by a carrier makes apparent the need of having examined thoroughly all employees and patients who handle food supplies in any way in order to make sure they are not typhoid carriers.

Wassermann tests were made in 236 cases, of which number 33 were positive.

Considerable interest in the study of endocrines, the effect of overactivity and of underactivity of certain of the internal glands, has been shown by our staff. A number of patients are under treatment at the present writing, with seemingly excellent results, but not enough cases have been studied to warrant making an extended report, except that it seems probable that in some cases a very hopeful outcome may be expected.

All the routine activities of the hospital were conducted as usual, but under great stress, due to an extreme shortage of help in all departments. With a quota of 223 employees allowed us the average number on our pay roll throughout the year was only 127, and at times there were less than 100. Every one did extra duty. On the wards and in some other departments patients were given keys and conducted themselves as well as the employees, so well, in fact, that eight patients were placed on the pay roll.

Our social service work was curtailed somewhat by one of our helpers leaving the service in June, but was continued under Dr. Whitney. A brief report of the work is as follows:—

Fewer patients than usual were placed in family care. Families that otherwise would have been glad to receive patients could not afford to board them at the rate we were allowed to pay, and for the same reason some of the patients who had been in family care for years were returned to the hospital. Statistical Table No. 19 attached to this report shows the number of family-care cases.

The clinics at Springfield, Greenfield, Pittsfield and North Adams were continued as usual. These have met with great public approbation, and have served to increase public confidence in the institution.

The number of inquiries at the clinics were 121 men and 116 women, a total of 237; patients reporting, 97 men and 96 women, a total of 193; consultations, 26 men and 30 women, a total of 56. Consultations other than at the clinics numbered 14 men and 26 women, a total of 40. Besides the above we examined 45 feeble-minded children,—28 male and 17 female.

Our dentist resigned on September 10, after which those patients most in need of treatment were sent to dentists in

town. At the time of his leaving, the following dentistry had been done by him: extracting, 678; prophylaxis, 262; pyorrhœa, 15; alloy filling, 437; enamel filling, 196; cement filling, 6; gold crowns, 8; porcelain crowns, 5; bridgework, 9; upper rubber plates, 18; lower rubber plates, 17; partial plates, 5; lancing of abscess, 37; repair of bridgework, 1; repair of plates, 18; root amputation, 6.

The training school work has continued as usual, though there were but few pupils in our classes. Three nurses were graduated, — Mrs. Lillian Odell, Miss Josephine Perkowska and Miss May Jacobs. To our gratification they have preferred to remain in our service. Five pupil nurses are now taking the affiliating course at Tewksbury State Infirmary. The new class just beginning numbers five.

The standards of the training schools in the State institutions are being raised to meet the requirements for registration in any State in the Union. For this reason our classes for the present are likely to be small. There is such great demand for pupil nurses in general hospitals everywhere that young women with a sincere desire for training have no difficulty in finding places open to them in the general hospitals, the nature of our service making State hospitals second choice.

The farm report shows the results of the year's work to have been very variable and in some respects disappointing. The herd of cows made an excellent record in milk production and the herd itself has improved. Nearly all the mature animals are registered, and all of the young stock we are raising are eligible for registry. Eight of the bulls and heifers were exhibited at the Eastern States Exposition in September, and eight prizes were taken, six by individual animals and two by groups of them. The crops raised compared only favorably with the record of other years. The corn crop was very small, and the potato crop less than 50 per cent of what was hoped for, the yield being about 1,500 bushels, although a larger acreage than usual was planted.

Despite the serious disadvantages we have had we could not afford to give up the usual activities of therapeutic employment and amusement. In every department, as often recounted in our former annual reports, patients were employed, happy

and contented. The reports of work done by the teachers are as follows: crocheting and knitting, 356 pieces, — caps, jackets, yokes, face cloths, scarfs, sleeveless sweaters, sweaters, and 128 pairs of the following: babies' booties, bed socks, boys' stockings, house slippers, — with and without soles, — socks; basketry, reed, raffia and napkin rings, 27; beadwork; sewing and embroidery, 1,797, — hemmed pieces, hemstitched bureau scarfs, both woven and huck, Swedish bureau scarf, table runners, pillow top, camisole with crocheted edge, embroidered nightgowns, envelope chemises, guest towels with crocheted and tatted edge, lunch cloth, tatted handkerchiefs, hemstitched table cover, collars, cuffs, tray cloths, doilies, centerpieces; string work, 12 rake bags; tatting, number of yards, 116; toys, 26, — Dutch boys, monkeys, paper weights; weaving rugs, 16, — burlap, spool knitted, oriental tied, braided loom, hooked; weaving toweling, 237 yards; weaving table runners and pillow top, 18; pottery, 85 pieces; table mats, 18; bookmarks; butterfly vase stands; painted pin boxes.

In the male industrial room the following work was done: shoes soled, heeled and patched, 1,431 pairs; mattresses made from old ticks and old hair, and new ticks and new hair, 638; pillows made from old hair and old ticks, new ticks and old hair, old feather material and old cotton material, 277; rugs, 245, — rag, hooked, burlap; brooms made, 579; chairs caned, 93; net laundry bags, 32; coats and vests made from wool, 5; trousers made from wool, 26 pairs; denim coats, 81; denim trousers, 135 pairs; an overcoat and a reefer; 16 sweaters, basketry, 170 pieces, — waste, reed, hampers, trays, electric reed lamp; broom corn brushes, 13.

There were two sales of articles made by patients, — one at the county fair, which also served as an exposition of what we are doing in this way, and a Christmas sale at the hospital. In the two sales the amount of money received was nearly \$700, but the real value of the work in aiding recovery and in adding to the comfort of patients cannot be reckoned in dollars and cents.

Entertainments were held regularly, moving pictures once a week during the year, and dancing parties each week during the winter months. The holidays were observed. On St.

Patrick's Day came our annual masquerade party. On the Fourth of July there were sports with prizes on the front lawn, and a band concert in the evening. Halloween had its party with games and decorations of the hall appropriate to the occasion. Thanksgiving and Christmas were celebrated as usual with a turkey dinner, and on Christmas with trees bearing presents for every one, and a concert.

Religious services were held every Sunday, mass for the Catholic patients in the morning, and services for the Protestants in the afternoon.

Other entertainments were given as follows: a concert by Al Benson, popular singer; a concert and dancing party conducted by Mr. Noble; singing by Mr. Marshall and eight others; and an entertainment by the Northampton Grange.

A large and old institution like ours requires many repairs and many additions to its equipment. The more important of our activities in these directions during 1920 are set down here as a matter of record for future reference: A storage tank for hot water was placed in the coal pocket and connections made with the 10-inch water main outside of the west door of the engine room; new water-feed controllers were attached to the water supply of the Heine boilers; a good deal of pipe covering for the conservation of heat was renewed; two three-compartment vegetable steamers were set up in the main kitchen; the installation of a sprinkler system in the shops for fire protection was begun; eleven scuttles were placed in position on the roofs to facilitate the removal of snow and ice in the places where they accumulate; three new toilet rooms were established on the third story halls of the north wing, equipped with new plumbing fixtures; a new fire pipe line was erected in the stairway of the first story halls on the north wing; the old cart shed near the storehouse was transformed into a garage to accommodate three motor vehicles; wiring of the nurses' homes was finished; concrete floors were laid in the tunnel of the south nurses' home and at the entrance of the tunnel leading to the north nurses' home; additions were made to the house purchased last year, — a new kitchen, a new dining room and a bathroom, — and the house was wired for electric lights; the electro-call system was extended to the rear of the

center building and to the shops. In all of these activities our patients took part, giving very material assistance.

New equipment received during the year included the following: a drill press; a high-speed sensitive drill; a machine shaper for the machine shop; two additional CO₂ recording instruments for the determination of carbon dioxide of each boiler separately; a new electric cable for light and power to extend directly from the engine room through the south infirmary to the south nurses' home; a stone crusher with a motor to operate it; and a concrete mixer.

During the year we have received gifts of games, clothing and money for our Christmas tree and entertainments from many people, to all of whom we express our grateful appreciation.

We are thankful to the publishers of the "Christian Register," "Our Dumb Animals" and "New League Journal" for regular issues of their periodicals.

There have been no changes in the personnel of our medical staff during the year. Three vacancies exist which we have been unable to fill. A scarcity of physicians in the community at large, the unattractive remuneration that we may offer, and the nature of our work that appeals to but few, contribute to this unhappy situation. Meanwhile every member of our staff has been subject to arduous service night and day. I am pleased to make acknowledgment of their devotion to duty.

The counsel and encouragement given the staff and myself by your Board have been of great comfort to us throughout the year.

JOHN A. HOUSTON,
Superintendent.

VALUATION.

Nov. 30, 1920.

REAL ESTATE.

Land (513 acres),	\$120,787 50
Buildings,	893,871 25
	<hr/>
	\$1,014,658 75

PERSONAL PROPERTY.

Travel, transportation and office expenses,	\$5,590 57
Food,	15,773 02
Clothing and materials,	18,615 70
Furnishing and household supplies,	83,397 05
Medical and general care,	1,828 61
Heat, light and power,	27,396 95
Farm and stable,	49,825 16
Grounds,	5,652 27
Repairs,	21,417 11
	<hr/>
	\$229,496 44

SUMMARY.

Real estate,	\$1,014,658 75
Personal property,	229,496 44
	<hr/>
	\$1,244,155 19

TREASURER'S REPORT.

To the Department of Mental Diseases.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1920: —

CASH ACCOUNT.

Balance Dec. 1, 1919,	\$1,260	70
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Receipts.

Institution Receipts.

Board of inmates: —

Private,	\$43,096	11
Reimbursements, insane,	35,380	19
		\$78,476 30

Sales: —

Travel, transportation and office expenses,	\$67	68
Food,	1,776	35
Clothing and materials,	421	14
Furnishings and household supplies,	20	00
Medical and general care,	3	15
Heat, light and power,	98	98

Farm and stable: —

Cows and calves,	\$685	00
Pigs and hogs,	22	00
For condemned ox,	40	00
Use of teams,	1	00
Sundries,	27	25
		775 25

Repairs, ordinary,	33	77
--------------------	----	----

Industries,	920	48
-------------	-----	----

4,116 80

Miscellaneous receipts: —

Interest on bank balances,	\$201	37
Rent,	672	00
Reimbursement, Board of Retirement,	25	74

899 11

83,492 21

Receipts from Treasury of Commonwealth.

Maintenance appropriations: —

Balance of 1919,	\$24,486	40
Advance money (amount on hand November 30),	9,000	00
Approved schedules of 1920,	319,152	47

352,638 87

Special appropriations,	2,379	56
-------------------------	-------	----

Total,	\$439,771	34
--------	-----------	----

PAYMENTS.

To treasury of Commonwealth: —

Institution receipts,	\$83,492 21	
Refunds account of maintenance,	62	
	<hr/>	\$83,492 83

Maintenance appropriations: —

Balance November schedule, 1919,	\$25,747 10	
Eleven months' schedules, 1920,	\$319,152 47	
Less returned,	62	
	<hr/>	319,151 85
November advances,	14,871 92	
	<hr/>	359,770 87

Special appropriations, approved schedules,	2,379 56	
Deficit, Nov. 30, ⁶ 1920,	5,871 92	
	<hr/>	

Total,		\$439,771 34
------------------	--	--------------

MAINTENANCE.

Balance from previous year, brought forward,	\$32,084 58	
Appropriation, current year,	355,900 00	
	<hr/>	

Total,	\$387,984 58	
Expenses (as analyzed below),	350,514 01	
	<hr/>	

Balance reverting to treasury of Commonwealth,	\$37,470 57	
--	-------------	--

Analysis of Expenses.

Personal services: —

John A. Houston, superintendent,	\$4,650 00	
Medical,	8,201 03	
Administration,	7,114 94	
Kitchen and dining-room service,	7,581 90	
Domestic,	8,448 20	
Ward service (male),	15,790 06	
Ward service (female),	15,472 51	
Industrial and educational department,	2,152 97	
Engineering department,	16,380 15	
Repairs,	10,420 37	
Farm,	11,621 18	
Stable, garage and grounds,	2,391 44	
	<hr/>	\$110,224 75

Religious instruction: —

Catholic,	\$600 00	
Protestant,	470 00	
	<hr/>	1,070 00

Travel, transportation and office expenses: —

Advertising,	\$452 46	
Postage,	282 00	
Printing and binding,	224 89	
Printing annual report,	232 46	
	<hr/>	
Amounts carried forward,	\$1,191 81	\$111,294 75

Amounts brought forward, \$1,191 81 \$111,294 75

Travel, transportation and office expenses — *Con.*

Stationery and office supplies,	1,482 58
Telephone and telegraph,	1,186 35
Travel,	1,512 97
Trucking,	73 00
Express,	323 72
Bond,	35 00

5,805 43

Food:—

Flour,	\$16,705 19
Cereals, rice, meal, etc.,	2,976 55
Bread, crackers, etc.,	147 90
Peas and beans (canned and dried),	2,297 82
Macaroni and spaghetti,	584 16
Potatoes,	3,080 72
Meat,	19,242 45
Fish (fresh, cured and canned),	3,858 22
Butter,	3,176 40
Butterine, etc.,	4,792 26
Cheese,	1,881 83
Coffee,	691 39
Coffee substitutes,	566 27
Tea,	475 52
Cocoa,	389 66
Whole milk,	486 20
Eggs (fresh),	5,667 25
Sugar (cane),	5,891 46
Fruit (fresh),	604 95
Fruit (dried and preserved),	4,063 71
Lard and substitutes,	1,985 27
Molasses and syrups,	1,030 56
Vegetables (fresh),	99 50
Vegetables (canned and dried),	99 80
Seasonings and condiments,	751 51
Yeast, baking powder, etc.,	486 25
Sundry foods,	86 29
Gelatine,	60 64
Pie filling,	5 44
Ginger ale,	6 71
Tapioca,	69 52

82,261 40

Clothing and materials:—

Boots, shoes and rubbers,	\$2,192 13
Clothing (outer),	935 23
Clothing (under),	1,794 11
Dry goods for clothing,	4,750 75
Hats and caps,	70 56
Leather and shoe findings,	129 75
Machinery for manufacturing,	33 33
Socks and smallwares,	1,208 10
Industries,	696 69

11,810 65

Amount carried forward, \$211,172 23

Amount brought forward, \$211,172 23

Furnishings and household supplies: —

Beds, bedding, etc.,	\$7,340 18
Carpets, rugs, etc.,	38 25
Crockery, glassware, cutlery, etc.,	957 24
Dry goods and smallwares,	2,917 88
Electric lamps,	413 15
Fire hose and extinguishers,	129 63
Furniture, upholstery, etc.,	538 13
Kitchen and household wares,	3,128 19
Laundry supplies and materials,	2,855 37
Lavatory supplies and disinfectants,	829 81
Machinery for manufacturing,	50
Table linen, paper napkins, towels, etc.,	1,840 27

20,988 60

Medical and general care: —

Books, periodicals, etc.,	\$414 72
Entertainments, games, etc.,	1,323 98
Funeral expenses,	53 50
Gratuities,	19 86
Ice and refrigeration,	717 76
Laboratory supplies and apparatus,	145 54
Medicines (supplies and apparatus),	1,510 47
Patients boarded out,	2,475 00
Return of runaways,	54 56
Sputum cups, etc.,	9 34
Tobacco, pipes, matches,	801 68
Water,	2,947 63

10,474 04

Heat, light and power: —

Coal (bituminous),	\$34,199 97
Freight and cartage,	16,116 16
Coal (screenings),	646 20
Freight and cartage,	206 98
Coal (anthracite),	2,274 51
Freight and cartage,	819 78
Electricity,	71 73
Gas,	125 41
Oil,	285 41
Operating supplies for boilers and engines,	301 87

55,048 02

Farm: —

Bedding materials,	\$377 29
Blacksmithing and supplies,	470 80
Carriages, wagons and repairs,	128 58
Dairy equipment and supplies,	71 18
Fencing materials,	294 00
Fertilizers,	2,937 02
Grain, etc.,	14,456 40
Harnesses and repairs,	354 95
Horses,	200 94
Other live stock,	100 00
Rent,	150 00

Amounts carried forward, \$19,541 16 \$297,682 89

Amounts brought forward, \$19,541 16 \$297,682 89

Farm — Con.

Spraying materials,	189 32
Stable and barn supplies,	65 85
Tools, implements, machines, etc.,	1,319 00
Trees, vines, seeds, etc.,	1,974 59
Veterinary services, supplies, etc.,	272 33
Sundries,	40 26
Three County Fair,	5 33
Registration,	28 00
Eastern States Exposition,	179 46
Tractor supplies,	159 48
Rent of Kellogg property,	168 75

23,943 53

Garage, stable and grounds: —

Motor vehicles,	\$2,886 60
Automobile repairs and supplies,	1,656 58
Blacksmithing and supplies,	58 65
Carriages, wagons and repairs,	8 50
Fertilizers,	15 42
Grain,	189 06
Registration,	40 98
Tools, implements, machines, etc.,	115 04
Trees, vines, seeds, etc.,	216 02

5,186 85

Repairs, ordinary: —

Cement, lime, crushed stone, etc.,	\$1,056 19
Electrical work and supplies,	955 25
Hardware, iron, steel, etc.,	1,146 18
Labor (not on pay roll),	528 28
Lumber, etc. (including finished products),	3,760 25
Paint, oil, glass, etc.,	2,237 49
Plumbing and supplies,	1,436 76
Roofing and materials,	293 13
Steam fittings and supplies,	2,362 76
Tents, awnings, etc.,	69 00
Tools, machines, etc.,	371 12
Boilers, repairs,	595 42
Dynamos, repairs,	1 58
Engines, repairs,	8 04

14,821 45

Repairs and renewals: —

Coal savings,	\$375 00
Hot water heater,	990 04
Regulator,	102 00
Arches for boiler,	518 50
Dumb waiters,	490 00
Feed controllers,	136 66
50 kilowatt generators,	233 96
2 25-horsepower motors,	814 38
4 15-kilometer transformers,	411 40
Cable for street light,	215 00
Cable for light and power,	437 34
Painting,	225 00

Amounts carried forward, \$4,949 28 \$341,634 72

Amounts brought forward, \$4,949 28 \$341,634 72

Repairs and renewals — *Con.*

Plumbing,	985 79	
Power drill,	320 00	
Machine shaper,	875 00	
Sensitive drill,	86 18	
Concrete mixer,	695 33	
CO ₂ recording apparatus,	607 50	
Tunnel for steam main,	70 21	
Electric transmission line,	490 00	
	<hr/>	8,879 29

Total expenses for maintenance, \$350,514 01

SPECIAL APPROPRIATIONS.

Balance Dec. 1, 1919,		\$11,214 12
Appropriations for current year,		7,500 00
		<hr/>
Total,		\$18,714 12
Expended during the year,	\$2,379 56	
Reverting to treasury of Commonwealth,	11 98	
	<hr/>	2,391 54
		<hr/>
Balance Nov. 30, 1920, carried to next year,		\$16,322 58

RESOURCES AND LIABILITIES.

Resources.

Deficit,	\$5,871 92	
November cash vouchers (paid from advance money), account of maintenance,	14,871 92	
	<hr/>	\$9,000 00
Due from treasury of Commonwealth from available appropriation account November, 1920, schedule,		22,362 16
		<hr/>
		\$31,362 16

Liabilities.

Schedule of November bills,	\$31,362 16
---------------------------------------	-------------

PER CAPITA.

During the year the average number of inmates has been 1,007.56.
 Total cost for maintenance, \$350,514.01.
 Equal to a weekly per capita cost of \$6.6900.
 Receipts from sales, \$4,116.80.
 Equal to a weekly per capita of \$0.0785.
 All other institution receipts, \$79,375.41.
 Equal to a weekly per capita of \$1.5149.

Respectfully submitted,

EVA L. GRAVES,

Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

ALONZO B. COOK,
Auditor.

STATISTICAL TABLES

AS ADOPTED BY AMERICAN MEDICO-PSYCHOLOGICAL
ASSOCIATION

PRESCRIBED BY MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

STATISTICAL TABLES.

TABLE 1. — *General Information.*

1. Date of opening as an institution for the insane: Aug. 16, 1858.	
2. Type of institution: State.	
3. Hospital plant: —	
Real estate, including buildings and betterments,	\$1,021,184 57
Personal property,	229,496 44
	<hr/>
Total,	\$1,250,681 01

Total acreage of hospital property, 513.

Acreage under cultivation during year, 210.

4. Medical service: —	Men.	Women.	Totals.
Superintendents,	1	—	1
Assistant physicians,	2	2	4
Medical internes,	—	—	—
Clinical assistants,	—	—	—
	<hr/>	<hr/>	<hr/>
Total,	3	2	5

5. Employees: —	Males.	Females.	Totals.
Graduate nurses,	—	1	1
Other nurses and attendants,	22	19	42
Social workers,	—	1	1
All other employees,	42	24	67
	<hr/>	<hr/>	<hr/>
Total,	65	47	112

6. Percentage of patients employed during	Men.	Women.	Totals.
year,	62.46	52.85	57.65

TABLE 2. — *Financial Statement.*

See treasurer's report for data requested under this table.

TABLE 3. — *Movement of Patient Population for the Year ending Sept. 30, 1920.*

	INSANE.			OTHER CLASSES.						TOTAL ON BOOKS.		
				SANE, VOLUN- TARY.			TEMPORARY CARE AND OBSERVATION, NOT COMMITTED.					
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Patients on books of institution Sept. 30, 1919,	605	611	1,216 ¹	—	—	—	—	—	—	605	611	1,216
Admissions during the year: —												
(a) First admissions,	164	168	332	—	—	—	13	4	17	177	172	349
(b) Readmissions,	48	46	94	—	—	—	2	1	3	50	47	97
Total admissions,	212	214	426	—	—	—	15	5	20	227	219	446
(c) Transfers from other institutions for the insane,	—	2	2	—	—	—	—	—	—	—	2	2
2. Total received during year,	212	216	428	—	—	—	15	5	20	227	221	448
3. Total under treatment during year,	817	827	1,644	—	—	—	15	5	20	832	832	1,664
Discharged from books during year: —												
(a) As recovered,	26	46	72	—	—	—	1	—	1	27	46	73
(b) As improved,	44	27	71	—	—	—	5	—	5	49	27	76
(c) As unimproved,	15	25	40	—	—	—	5	2	7	20	27	47
(d) As not insane,	3	1	4	—	—	—	3	—	3	6	1	7
(e) Transferred to other institutions for the insane,	60	46	106	—	—	—	—	—	—	60	46	106
(f) Died during year,	65	68	133	—	—	—	1	2	3	66	70	136
4. Total discharged from books during year,	213	213	426	—	—	—	15	4	19	228	217	445
5. Patients remaining on books of institution Sept. 30, 1920,	604	614	1,218	—	—	—	—	1	1	604	615	1,219
<i>Supplementary Data.</i>												
6a. Average daily number of patients on books during year,	618.012	616.758	1,234.770	—	—	—	.058	.016	.074	618.070	616.774	1,234.844
6b. Average daily number of patients actually in institution during year,	511.030	496.270	1,007.900	—	—	—	.058	.016	.074	511.088	496.286	1,007.974
7a. Average daily number of patients in family care,	2.038	13.521	15.559	—	—	—	—	—	—	2.038	13.521	15.559
7b. Average daily number of patients on visit and escape,	104.344	106.967	211.311	—	—	—	—	—	—	104.344	106.967	211.311
8. Number of voluntary patients admitted during year,	5	12	17	—	—	—	—	—	—	5	12	17
9. Number of temporary-care cases admitted within the year,	78	90	168	—	—	—	15	5	20	93	95	188

10. Number of patients actually remaining in institution Sept. 30, 1920.									
State,	489	485	974	1	1	489	486	975	
Reimbursing,	434	342	776	—	—	434	342	776	
Private,	25	51	76	—	—	25	51	76	
11. Number of patients in family care Sept. 30, 1920.									
State,	30	92	122	1	1	30	93	123	
Private,	1	9	10	—	—	1	9	10	
Self-supporting,	—	7	7	—	—	—	7	7	
Number of different persons within the year,	2	—	3	—	—	—	2	3	
12. Number of different persons within the year.									
Number of different persons admitted from the community,	816	821	1,637	5	20	831	826	1,657	
Number of different persons, exclusive of transfers,	212	213	425	15	20	227	218	455	
	153	167	320	15	4	168	171	339	
15. Number of non-insane patients or inmates in institution at end of institution year.									
(b) Persons given advice or treatment in out-patient department during year,	.	.	.	.	.	.	.	.	Totals.
									184
									80
									104
									184

¹ Includes one male patient on books from elopement of 1913.

TABLE 4. — *Nativity of First Admissions and of Parents of First Admissions.*

NATIVITY.	PATIENTS.			PARENTS OF MALE PATIENTS.			PARENTS OF FEMALE PATIENTS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
United States,	101	99	200	62	58	120	66	68	134
Austria,	7	4	11	7	7	14	5	5	10
Canada,	13	16	29	22	23	45	19	18	37
Denmark,	1	—	1	1	1	2	—	—	—
England,	1	2	3	6	2	8	4	2	6
France,	1	—	1	1	1	2	1	1	2
Germany,	3	4	7	5	5	10	7	8	15
Greece,	1	—	1	1	1	2	—	—	—
Ireland,	10	17	27	26	30	56	29	31	60
Italy,	4	8	12	5	5	10	9	8	17
Poland,	6	8	14	7	11	18	8	8	16
Russia,	9	7	16	10	6	16	8	8	16
Scotland,	3	2	5	4	6	10	7	6	13
Sweden,	3	1	4	3	3	6	1	1	2
Switzerland,	—	—	—	—	—	—	—	1	1
Turkey in Asia,	1	—	1	—	1	1	—	—	—
Total foreign born,	63	69	132	98	102	200	98	97	195
Unascertained,	—	—	—	4	4	8	4	3	7
Grand total,	164	168	332	164	168	328	168	168	336

TABLE 5. — *Citizenship of First Admissions.*

	Males.	Females.	Totals.
Citizens by birth,	99	96	195
Citizens by naturalization,	35	41	76
Aliens,	28	29	57
Citizenship unascertained,	2	2	4
Total,	164	168	332

TABLE 6. — *Psychoses of First Admissions.*

PSYCHOSES.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	.	.	.	.	.	.
2. Senile, total,	.	.	.	20	13	33
(a) Simple deterioration,	18	1	19	.	.	.
(b) Presbyophrenic type,	.	2	2	.	.	.
(c) Delirious and confused states,	1	3	4	.	.	.
(d) Depressed and agitated states in addition to deterioration,	.	5	5	.	.	.
(e) Paranoid states in addition to deterioration,	1	2	3	.	.	.
3. With cerebral arteriosclerosis,	.	.	.	13	11	24
4. General paralysis,	.	.	.	8	6	14
5. With cerebral syphilis,	.	.	.	1	4	5
6. With Huntingdon's chorea,	.	.	.	.	.	.
7. With brain tumor,	.	.	.	.	1	1
8. With other brain and nervous diseases, total,	.	.	.	3	4	7
Tabes dorsalis,	.	2	2	.	.	.
Tabo-paresis,	.	1	1	.	.	.
Cerebrospinal syphilis,	2	.	2	.	.	.
Progressive muscular atrophy,	.	1	1	.	.	.
Unclassified,	1	.	1	.	.	.
9. Alcoholic, total,	.	.	.	19	4	23
(c) Korsakoff's psychosis,	.	1	1	.	.	.
(d) Acute hallucinosis,	9	.	9	.	.	.
(e) Chronic hallucinosis,	2	2	4	.	.	.
(g) Chronic paranoid,	8	1	9	.	.	.
10. Due to drugs and other exogenous toxins, total,	.	.	.	1	2	3
(a) Opium, bromides,	1	1	2	.	.	.
(d) Cumulative effect of digitalis,	.	1	1	.	.	.
11. With pellagra,	.	.	.	.	2	2
12. With other somatic diseases, total,	.	.	.	7	11	18
(b) Post influenzal depression,	.	2	2	.	.	.
(c) (1) With streptococcus peritonitis,	.	1	1	.	.	.
(2) With carcinoma of stomach,	.	2	2	.	.	.
(3) With diabetes mellitus,	2	.	2	.	.	.
(4) With pernicious anæmia,	1	.	1	.	.	.
(5) With tuberculosis of lungs,	1	1	2	.	.	.
(6) With tubercular enteritis,	.	1	1	.	.	.
(d) Delirium of unknown origin,	.	2	2	.	.	.
(e) With cardio-renal disease,	3	1	4	.	.	.
(f) With adiposis dolorosa (Dercum's disease),	.	1	1	.	.	.
13. Manic-depressive, total,	.	.	.	24	25	49
(a) Manic type,	13	10	23	.	.	.
(b) Depressed type,	9	10	19	.	.	.
(c) Stuporous type,	1	1	2	.	.	.
(d) Mixed type,	.	3	3	.	.	.
(e) Circular type,	1	1	2	.	.	.
14. Involution melancholia,	.	.	.	.	6	6
15. Dementia præcox, total,	.	.	.	40	56	96
(a) Paranoid type,	9	29	38	.	.	.
(b) Catatonic type,	10	17	27	.	.	.
(c) Hebephrenic type,	17	7	24	.	.	.
(d) Simple,	4	3	7	.	.	.
16. Paranoia or paranoid conditions,	.	.	.	.	.	.
17. Epileptic psychoses, total,	.	.	.	4	2	6
(a) Epileptic deterioration,	1	1	2	.	.	.
(b) Epileptic clouded states,	3	1	4	.	.	.
18. Psychoneuroses and neuroses, total,	.	.	.	2	4	6
(a) Hysterical type,	1	.	1	.	.	.
(b) Psychasthenic type,	.	2	2	.	.	.
(c) Neurasthenic type,	1	2	3	.	.	.
19. With psychopathic personality,	.	.	.	2	1	3
20. With mental deficiency,	.	.	.	9	1	10
21. Undiagnosed,	.	.	.	4	8	12
22. Without psychosis, total,	.	.	.	7	7	14
(a) Epilepsy without psychosis,	2	.	2	.	.	.
(c) Drug addiction without psychosis,	.	1	1	.	.	.
(d) Psychopathic personality without psychosis,	.	2	2	.	.	.
(e) Mental deficiency without psychosis,	5	3	8	.	.	.
(f) No psychosis,	.	1	1	.	.	.
Total,	.	.	.	164	168	332

TABLE 7. — *Race of First Admissions classified with Reference to Psychoses.*

RACE.	TOTAL.			PSYCHOSES.																	
	Males.	Females.	Totals.	SENILE.			WITH CEREBRAL ARTERIO-SCLEROSIS.			GENERAL PARALYSIS.			WITH CEREBRAL SYPHILIS.			WITH BRAIN TUMOR.			WITH OTHER BRAIN OR NERVOUS DISEASES.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
African,	—	4	4	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	
English,	2	3	5	1	1	2	2	1	3	1	1	2	1	1	2	1	1	1	1	1	
French,	22	19	41	2	2	4	2	1	3	1	1	2	1	1	2	1	1	2	2	2	
German,	5	7	12	1	1	2	1	—	—	—	—	—	—	—	—	—	—	—	—	—	
Greek,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Hebrew,	1	3	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Irish,	25	32	57	6	2	8	3	2	5	1	1	2	1	1	2	1	1	2	2	4	
Italian,	5	8	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Magyar,	2	1	3	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	
Scandinavian,	4	1	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Scotch,	4	6	10	—	—	—	—	—	3	1	1	2	1	1	2	1	1	1	2	4	
Slavonic,	21	17	38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Mixed,	72	67	139	10	7	17	7	4	11	3	5	8	—	—	2	2	1	2	2	4	
Total,	164	168	332	20	13	33	13	11	24	8	6	14	1	4	5	—	1	3	4	7	

TABLE 7. — *Race of First Admissions classified with Reference to Psychoses — Concluded.*

RACE.	PSYCHOSSES.																	
	EPILEPTIC.			PSYCHONEUROSES.			WITH PSYCHOPATHIC PERSONALITY.			WITH MENTAL DEFICIENCY.			UNDIAGNOSED.			WITHOUT PSYCHOSIS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
African,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
English,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
French,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
German,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Greek,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Hebrew,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Irish,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Italian,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Magyar,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Scandinavian,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Scottish,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Slavonic,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Mixed,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Total,	4	2	6	2	4	6	2	1	3	9	1	10	4	8	12	7	7	14

TABLE 8. — Age of First Admissions classified with Reference to Principal Psychoses.

PSYCHOSES.	TOTAL.			YEARS.																				
	Males.	Females.	Totals.	UNDER 15.			15-19.			20-24.			25-29.			30-34.			35-39.			40-44.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			
1. Traumatic,	20	13	33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2. Senile,	13	11	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
3. With cerebral arteriosclerosis,	8	6	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
4. General paralysis,	1	4	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
5. With cerebral syphilis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
6. With Huntingdon's chorea,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
7. With brain tumor,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
8. With other brain or nervous diseases,	3	4	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
9. Alcoholic,	19	4	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
10. Due to drugs and other exogenous toxins,	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11. With pellagra,	7	11	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
12. With other somatic diseases,	24	25	49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
13. Manic-depressive,	—	6	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
14. Involution melancholia,	40	56	96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
15. Dementia præcox,	—	4	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
16. Paranoia and paranoic conditions,	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
17. Epileptic,	4	2	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
18. Psychoneuroses,	2	4	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
19. With psychopathic personality,	2	1	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
20. With mental deficiency,	9	1	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
21. Undiagnosed,	4	8	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
22. Without psychosis,	7	7	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Total,	164	168	332	1	—	1	6	8	14	14	14	28	26	13	39	17	26	43	17	11	28	10	12	22

TABLE 9. — Degree of Education of First Admissions classified with Reference to Psychoses.

Psychoses.	TOTAL.			ILLITERATE.			READS AND WRITES.			COMMON SCHOOL.			HIGH SCHOOL.			COLLEGE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic.	20	13	33	4	1	5	8	5	13	8	8	16	1	1	2	1	1	2	1	1	2
2. Senile.	13	11	24	1	1	2	6	4	10	6	6	12	1	1	2	1	1	2	1	1	2
3. With cerebral arteriosclerosis.	8	6	14	1	1	2	1	2	3	6	6	12	1	1	2	1	1	2	1	1	2
4. General paralysis.	1	4	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. With cerebral syphilis.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases.	3	4	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic.	19	4	23	2	—	2	11	2	13	4	2	6	2	—	2	—	—	2	—	—	—
10. Due to drugs and other exogenous toxins.	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra.	7	11	18	1	1	2	2	3	5	4	7	11	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.	24	25	49	5	2	7	—	3	3	14	14	28	4	6	10	1	1	2	—	—	—
13. Manic-depressive.	—	6	6	—	—	—	—	2	2	—	3	3	—	—	—	—	—	—	—	—	—
14. Involution melancholia.	40	56	96	4	2	6	8	18	26	24	27	51	4	8	12	1	1	2	1	1	2
15. Dementia precox.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16. Paranoia and paranoic conditions.	4	2	6	—	1	1	—	—	—	—	1	3	2	—	2	—	—	2	—	—	—
17. Epileptic.	2	4	6	—	—	—	1	2	3	—	1	1	—	—	—	—	—	—	—	—	—
18. Psychoneuroses.	2	1	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality.	9	1	10	2	—	2	4	1	5	3	3	6	—	—	—	—	—	—	—	—	—
20. With mental deficiency.	4	8	12	—	2	2	—	—	—	3	5	8	—	—	—	—	—	—	—	—	—
21. Undiagnosed.	7	7	14	2	2	4	2	1	3	3	3	6	—	—	—	—	—	—	1	1	2
22. Without psychosis.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total.	164	168	332	22	11	33	45	43	88	82	93	175	13	19	32	1	1	2	1	1	2

TABLE 10.—*Environment of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			URBAN.			RURAL.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	—	—	—	—	—	—	—	—	—
2. Senile,	20	13	33	13	5	18	7	8	15
3. With cerebral arteriosclerosis,	13	11	24	9	8	17	4	3	7
4. General paralysis,	8	6	14	7	3	10	1	3	4
5. With cerebral syphilis,	1	4	5	1	3	4	—	1	1
6. With Huntingdon's chorea,	—	—	—	—	—	—	—	—	—
7. With brain tumor,	—	1	1	—	—	—	—	1	1
8. With other brain or nervous diseases,	3	4	7	2	3	5	1	1	2
9. Alcoholic,	19	4	23	11	4	15	8	—	8
10. Due to drugs and other exogenous toxins,	1	2	3	1	2	3	—	—	—
11. With pellagra,	—	2	2	—	1	1	—	1	1
12. With other somatic diseases,	7	11	18	4	8	12	3	3	6
13. Manic-depressive,	24	25	49	11	17	28	13	8	21
14. Involution melancholia,	—	6	6	—	2	2	—	4	4
15. Dementia præcox,	40	56	96	21	28	49	19	28	47
16. Paranoia and paranoic conditions,	—	—	—	—	—	—	—	—	—
17. Epileptic,	4	2	6	1	2	3	3	—	3
18. Psychoneuroses,	2	4	6	1	3	4	1	1	2
19. With psychopathic personality,	2	1	3	1	1	2	1	—	1
20. With mental deficiency,	9	1	10	4	1	5	5	—	5
21. Undiagnosed,	4	8	12	4	6	10	—	2	2
22. Without psychosis,	7	7	14	1	4	5	6	3	9
Total,	164	168	332	92	101	193	72	67	139

TABLE 11. — *Economic Condition of First Admissions classified with Reference to Principal Psychoses.*

Psychoses.	TOTAL.			DEPENDENT.			MARGINAL.			COMFORTABLE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile,	20	13	33	—	1	1	19	10	29	1	2	3	—	—	—
3. With cerebral arteriosclerosis,	13	11	24	—	1	1	13	5	18	—	5	5	—	—	—
4. General paralysis,	8	6	14	—	2	2	7	4	11	—	—	—	—	—	—
5. With cerebral syphilis,	1	4	5	—	2	2	1	2	3	—	—	—	—	—	—
6. With Huntington's chorea,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor,	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases,	3	4	7	—	—	—	3	3	6	—	—	—	—	—	—
9. Alcoholic,	19	4	23	1	1	2	17	3	20	1	—	1	—	—	—
10. Due to drugs and other exogenous toxins,	—	2	2	—	—	—	1	1	2	—	1	1	—	—	—
11. With pellagra,	—	2	2	—	—	—	—	2	2	—	—	—	—	—	—
12. With other somatic diseases,	7	11	18	—	1	1	7	7	14	—	—	—	—	—	—
13. Manic-depressive,	24	25	49	—	—	—	22	23	45	2	2	4	—	—	—
14. Involution melancholia,	—	6	6	—	—	—	—	4	4	—	—	—	—	—	—
15. Dementia præcox,	40	56	96	—	4	4	33	45	78	7	7	14	—	—	—
16. Paranoia and paranoid conditions,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic,	4	2	6	1	1	2	3	1	4	—	—	—	—	—	—
18. Psychoneuroses,	2	4	6	—	1	1	2	1	3	—	2	2	—	—	—
19. With psychopathic personality,	2	1	3	—	—	—	2	1	3	—	—	—	—	—	—
20. With mental deficiency,	9	1	10	2	—	2	7	1	8	—	—	—	—	—	—
21. Undiagnosed,	4	8	12	—	—	—	4	4	8	—	—	—	—	—	—
22. Without psychosis,	7	7	14	2	2	4	5	3	8	—	2	2	—	—	—
Total,	164	168	332	6	16	22	146	125	271	12	27	39	—	—	—

TABLE 12. — Use of Alcohol by First Admissions classified with Reference to Principal Psychoses.

PSYCHOSES.	TOTAL.			ABSTINENT.			TEMPERATE.			INTEMPERATE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	20	13	33	5	12	17	8	—	8	5	—	5	2	1	3
2. Senile,	13	11	24	7	10	17	4	—	4	3	—	3	—	1	1
3. Cerebral arteriosclerosis,	8	6	14	—	4	4	5	1	6	3	—	4	—	—	—
4. General paralysis,	1	4	5	—	—	—	1	—	1	—	—	—	—	—	—
5. With cerebral syphilis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases,	3	4	7	—	1	1	—	—	—	—	—	—	—	—	—
9. Alcoholic,	19	4	23	—	3	3	3	—	3	19	4	23	—	—	—
10. Due to drugs and other exogenous toxins,	1	2	3	—	1	1	—	—	—	1	1	2	—	—	—
11. With pellagra,	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—
12. With other somatic diseases,	7	11	18	2	11	13	3	—	3	2	—	2	1	—	2
13. Manic-depressive,	24	25	49	15	23	38	4	1	5	4	—	4	1	—	5
14. Involution melancholia,	—	6	6	—	6	6	—	—	—	—	—	—	—	—	—
15. Dementia praecox,	40	56	96	19	51	70	16	2	18	2	—	2	3	3	6
16. Paranoia and paranoid conditions,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic,	4	2	6	3	2	5	1	—	1	—	—	—	—	—	—
18. Psychoneuroses,	2	4	6	1	4	5	1	—	1	—	—	—	—	—	—
19. With psychopathic personality,	2	1	3	1	1	2	1	—	1	—	—	—	—	—	—
20. With mental deficiency,	9	1	10	4	1	5	5	—	5	—	—	—	—	—	—
21. Undiagnosed,	4	8	12	1	8	9	2	—	2	—	—	—	1	—	1
22. Without psychosis,	7	7	14	6	5	11	1	1	2	—	—	—	—	—	—
Total,	164	108	332	64	149	213	55	5	60	38	8	46	7	6	13

TABLE 13. — *Marital Condition of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			SINGLE.			MARRIED.			WIDOWED.			SEPARATED.			DIVORCED.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	20	13	33	3	1	4	7	2	9	9	11	20	1	1	2	1	1	2	1	1	2
2. Senile,	13	11	24	2	1	3	7	3	10	6	7	13	1	1	2	1	1	2	1	1	2
3. With cerebral arteriosclerosis,	8	6	14	1	1	2	6	1	7	4	4	8	1	1	2	1	1	2	1	1	2
4. General paralysis,	1	4	5	1	1	2	1	3	4	1	1	2	1	1	2	1	1	2	1	1	2
5. With cerebral syphilis,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
6. With Huntington's chorea,	3	4	7	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
7. With brain tumor,	19	4	23	6	1	7	12	1	13	1	4	5	1	1	2	1	1	2	1	1	2
8. With other brain or nervous diseases,	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
9. Alcoholic,	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
10. Due to drugs and other exogenous toxins,	7	11	18	3	1	4	4	6	10	4	4	8	1	1	2	1	1	2	1	1	2
11. With pellagra,	24	25	49	8	6	14	12	18	30	3	4	7	1	1	2	1	1	2	1	1	2
12. With other somatic diseases,	40	56	96	30	23	53	9	26	35	6	6	12	1	1	2	1	1	2	1	1	2
13. Manic-depressive,	4	2	6	3	1	4	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2
14. Involution melancholia,	2	1	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
15. Dementia precox,	2	1	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
16. Paranoia and paranoic conditions,	4	2	6	3	1	4	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2
17. Epileptic,	2	1	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
18. Psychoneuroses,	2	4	6	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
19. With psychopathic personality,	9	1	10	8	1	9	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
20. With mental deficiency,	4	8	12	2	3	5	1	5	6	1	1	2	1	1	2	1	1	2	1	1	2
21. Undiagnosed,	7	7	14	6	4	10	1	5	6	1	1	2	1	1	2	1	1	2	1	1	2
22. Without psychosis,	164	168	332	74	43	117	64	76	140	21	43	64	3	3	6	2	3	5	2	3	5
Total,	164	168	332	74	43	117	64	76	140	21	43	64	3	3	6	2	3	5	2	3	5

TABLE 14. — *Psychoses of Readmissions.*

PSYCHOSES.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	-	-	-	-	-	-
2. Senile, total,	-	-	-	1	3	4
(a) Simple deterioration,	1	1	2	-	-	-
(d) Depressed and agitated states with deterioration,	-	1	1	-	-	-
(f) Presenile,	-	1	1	-	-	-
3. Cerebral arteriosclerosis,	-	-	-	-	-	-
4. General paralysis,	-	-	-	2	1	3
5. Cerebral syphilis,	-	-	-	1	-	1
6. Huntingdon's chorea,	-	-	-	-	-	-
7. Brain tumor,	-	-	-	-	-	-
8. With other brain or nervous diseases, total,	-	-	-	-	1	1
(1) Cerebral embolus due to eclampsia,	-	1	1	-	-	-
9. Alcoholic, total,	-	-	-	5	1	6
(d) Acute hallucinosis,	2	-	2	-	-	-
(e) Chronic hallucinosis,	1	-	1	-	-	-
(g) Chronic paranoid,	-	-	-	-	-	-
(h) Alcoholic deterioration,	2	1	3	-	-	-
10. Due to drugs and other exogenous toxins,	-	-	-	-	-	-
11. With pellagra,	-	-	-	-	-	-
12. With other somatic diseases, total,	-	-	-	-	-	-
13. Manic-depressive, total,	-	-	-	12	15	27
(a) Manic type,	8	4	12	-	-	-
(b) Depressive type,	3	7	10	-	-	-
(d) Mixed type,	-	1	1	-	-	-
(e) Circular type,	1	3	4	-	-	-
14. Involution melancholia,	-	-	-	1	-	1
15. Dementia præcox, total,	-	-	-	21	21	42
(a) Paranoid type,	7	10	17	-	-	-
(b) Catatonic type,	3	9	12	-	1	1
(c) Hebephrenic type,	8	1	9	-	-	-
(d) Simple type,	3	1	4	-	1	1
16. Paranoia and paranoid conditions,	-	-	-	-	-	-
17. Epileptic, total,	-	-	-	-	1	1
(a) Epileptic deterioration,	-	1	1	-	-	-
18. Psychoneuroses and neuroses, total,	-	-	-	-	1	1
(c) Neurasthenic type,	-	1	1	-	-	-
19. With psychopathic personality,	-	-	-	1	-	1
20. With mental deficiency,	-	-	-	2	1	3
21. Undiagnosed,	-	-	-	1	-	1
22. Without psychosis, total,	-	-	-	1	1	2
(e) Mental deficiency without psychosis,	1	-	1	-	-	-
(f) Defective delinquent,	-	1	1	-	-	-
Total,	-	-	-	48	46	94

TABLE 15. — *Discharges of Patients classified with Reference to Principal Psychoses and Condition on Discharge.*

PSYCHOSES.	TOTAL.			RECOVERED.			IMPROVED.			UNIMPROVED.			NOT INSANE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	3	—	3	—	—	—	3	—	3	—	—	—	—	—	—
2. Senile,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis,	4	2	6	—	—	—	1	1	2	—	—	—	—	—	—
4. General paralysis,	3	—	3	—	—	—	2	—	2	—	—	—	—	—	—
5. With cerebral syphilis,	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic,	19	6	25	10	2	12	8	1	9	1	3	4	—	—	—
10. Due to drugs and other exogenous toxins,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra,	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases,	5	16	21	3	15	18	1	1	2	—	—	—	—	—	—
13. Manic-depressive,	16	32	48	13	25	38	1	4	5	2	3	5	—	—	—
14. Involution melancholia,	3	1	4	—	—	—	2	—	2	1	—	1	—	—	—
15. Dementia precox,	27	30	57	—	—	—	22	18	40	5	12	17	—	—	—
16. Paranoia and paranoid conditions,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic,	3	—	3	—	—	—	2	—	2	—	—	—	—	—	—
18. Psychoneuroses,	1	4	5	—	2	2	1	1	2	—	—	—	—	—	—
19. With psychopathic personality,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis,	3	1	4	—	—	—	—	—	—	—	—	—	3	1	4
Total,	88	99	187	26	46	72	44	27	71	15	25	40	3	1	4

TABLE 16. — Causes of Death of Patients classified with Reference to Principal Psychoses — Continued.

CAUSE OF DEATH.	PSYCHOSES.											
	WITH OTHER BRAIN OR NERVOUS DISEASES.			ALCOHOLIC.			DUE TO DRUGS AND OTHER EXOGENOUS TOXINS.			WITH PELLAORA.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
<i>General Diseases.</i>												
Acute miliary tuberculosis,	1	1	2	1	1	2	1	1	2	1	1	2
Adiposis dolorosa (Dercum's disease),	1	1	2	1	1	2	1	1	2	1	1	2
Carcinoma of colon,	1	1	2	1	1	2	1	1	2	1	1	2
Carcinoma of stomach,	1	1	2	1	1	2	1	1	2	1	1	2
Epithelioma of face,	1	1	2	1	1	2	1	1	2	1	1	2
General septicæmia,	1	1	2	1	1	2	1	1	2	1	1	2
Pellagra,	1	1	2	1	1	2	1	1	2	1	1	2
Sarcoma of right cervical region,	1	1	2	1	1	2	1	1	2	1	1	2
Sudden death due to natural causes (coroner's certificate),	1	1	2	1	1	2	1	1	2	1	1	2
Tuberculosis of lungs,	1	1	2	1	1	2	1	1	2	1	1	2
Tubercular meningitis,	1	1	2	1	1	2	1	1	2	1	1	2
Typhoid fever,	1	1	2	1	1	2	1	1	2	1	1	2
<i>Nervous System.</i>												
Cerebral hemorrhage,	1	1	2	1	1	2	1	1	2	1	1	2
Cerebral syphilis,	1	1	2	1	1	2	1	1	2	1	1	2
Cerebral tumor,	1	1	2	1	1	2	1	1	2	1	1	2
General paralysis of the insane,	1	1	2	1	1	2	1	1	2	1	1	2
Progressive muscular atrophy,	1	1	2	1	1	2	1	1	2	1	1	2
<i>Circulatory System.</i>												
Cerebral embolus,	1	1	2	1	1	2	1	1	2	1	1	2
Cerebral thrombosis,	1	1	2	1	1	2	1	1	2	1	1	2
Endocarditis, acute,	1	1	2	1	1	2	1	1	2	1	1	2

[illegible]

TABLE 16. — *Causes of Death of Patients classified with Reference to Principal Psychoses — Concluded.*

CAUSE OF DEATH.	PSYCHOSES.											
	INVOLUTION MELANCHOLIA.			DEMENTIA PRÆCOX.			PSYCHO- NEUROSES.			WITH PSYCHO- PATHIC PERSONALITY.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
<i>General Diseases.</i>												
Acute miliary tuberculosis,	1	1	2	1	1	2	1	1	2	1	1	2
Adiposis dolorosa (Dercum's disease),	1	1	2	1	1	2	1	1	2	1	1	2
Carcinoma of colon,	1	1	2	1	1	2	1	1	2	1	1	2
Carcinoma of stomach,	1	1	2	1	1	2	1	1	2	1	1	2
Epithelioma of face,	1	1	2	1	1	2	1	1	2	1	1	2
General septicæmia,	1	1	2	1	1	2	1	1	2	1	1	2
Pellagra,	1	1	2	1	1	2	1	1	2	1	1	2
Sarcoma of right cervical region,	1	1	2	1	1	2	1	1	2	1	1	2
Sudden death due to natural causes (coroner's certificate),	1	1	2	1	1	2	1	1	2	1	1	2
Tuberculosis of lungs,	1	1	2	1	1	2	1	1	2	1	1	2
Tubercular meningitis,	1	1	2	1	1	2	1	1	2	1	1	2
Typhoid fever,	1	1	2	1	1	2	1	1	2	1	1	2
<i>Nervous System.</i>												
Cerebral hemorrhage,	1	1	2	1	1	2	1	1	2	1	1	2
Cerebral syphilis,	1	1	2	1	1	2	1	1	2	1	1	2
Cerebral tumor,	1	1	2	1	1	2	1	1	2	1	1	2
General paralysis of the insane,	1	1	2	1	1	2	1	1	2	1	1	2
Progressive muscular atrophy,	1	1	2	1	1	2	1	1	2	1	1	2
<i>Circulatory System.</i>												
Cerebral embolus,	1	1	2	1	1	2	1	1	2	1	1	2
Cerebral thrombosis,	1	1	2	1	1	2	1	1	2	1	1	2
Endocarditis, acute,	1	1	2	1	1	2	1	1	2	1	1	2

[illegible]

TABLE 17. — Age of Patients at Time of Death classified with Reference to Principal Psychoses.

PSYCHOSES.	TOTAL.			YEARS.																				
	Males.	Females.	Totals.	UNDER 15.			15-19.			20-24.			25-29.			30-34.			35-39.			40-44.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic,	18	13	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile,	17	21	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis,	9	4	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis,	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases,	4	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra,	2	6	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases,	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive,	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14. Involution melancholia,	10	13	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia praecox,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16. Paranoia and paranoic conditions,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total,	65	68	133	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 19. — *Family-care Department.*

	Males.	Females.	Totals.
Remaining Oct. 1, 1919,	3	17	20
Committed within the year,	2	4	6
Whole number of cases within the year,	5	21	26
Dismissed within the year,	4	11	15
Returned to institution,	1	10	11
Discharged,	1	1	2
Died,	1	—	1
Escaped,	1	—	1
Remaining Sept. 30, 1920,	1	9	10
Supported by State,	—	7	7
Private,	1	2	3
Self-supporting,	—	—	—
Number of different persons within the year,	4	19	23
Number of different persons admitted,	1	3	4
Number of different persons dismissed,	3	10	13
Daily average number,	2.038	13.521	15.559
State,	.118	11.476	11.594
Private,	1.00	2.00	3.00
Self-supporting,	.920	.045	.965



The Commonwealth of Massachusetts

ANNUAL REPORT

OF

THE TRUSTEES

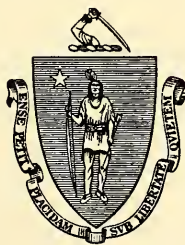
OF THE

NORTHAMPTON STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1921

DEPARTMENT OF MENTAL DISEASES



BOSTON

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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

Mr. EDWARD C. GERE	Northampton.
Mr. HARRY L. HOWARD	Hatfield.
Mr. JOSEPH W. STEVENS, <i>Secretary</i>	Greenfield.
Mrs. EMILY N. NEWTON	Holyoke.
Miss CAROLINE A. YALE	Northampton.
LUKE CORCORAN, M.D., <i>Chairman</i>	Springfield.
Mr. CHARLES W. KING	Chicopee Falls.

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.	<i>Superintendent.</i>
EDWARD W. WHITNEY, M.D.	<i>Assistant Superintendent.</i>
ANGELA BOBER, M.D.	<i>Senior Assistant Physician.</i>
— — — — —	<i>Assistant Physician.</i>
— — — — —	<i>Assistant Physician.</i>
HARRIET W. WHITNEY, M.D.	<i>Physician to Out-patient and Social Service De- partments.</i>
LUCIEN H. HARRIS, D.D.S.	<i>Dentist.</i>

NONRESIDENT OFFICERS.

Miss EVA L. GRAVES	<i>Chief Clerk and Treasurer (office at the hospital).</i>
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HEADS OF DEPARTMENTS.

Mr. L. W. SINCLAIR	<i>Engineer.</i>
Mr. GEORGE B. ALLEN	<i>Farmer.</i>
Mr. FRANK W. SMITH	<i>Steward.</i>
Miss S. E. WARREN	<i>Matron.</i>
— — — — —	<i>Social Service Worker.</i>
Miss PAULINE A. KINUM	<i>Director of Occupational Therapy.</i>

CONSULTING BOARD OF PHYSICIANS AND SURGEONS.

E. A. BATES, M.D.	Springfield.
E. W. BROWN, M.D.	Northampton.
W. J. COLLINS, M.D.	Northampton.
C. R. GARDNER, M.D.	Northampton.
D. E. HARRIMAN, M.D.	Springfield.
R. H. SEELYE, M.D.	Springfield.
H. T. SHORES, M.D.	Northampton.

The Commonwealth of Massachusetts

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital respectfully present their report for the year ending Nov. 30, 1921.

Regular monthly meetings of the Board were held at the hospital for the approval of bills, the inspection of the hospital, and the consideration of matters concerning the welfare of the patients.

There has been a steady increase in the number of patients we have been asked to support, the number for the present year having been 1,010, and for the coming year, 1,025, while the accommodations of the institution are reckoned by the Department of Mental Diseases to be about 820. For the present year the daily average number maintained was 1,007. This number was a little smaller than the quota we were expected to care for, and it was possible to do this only because of a transfer of 106 patients to other institutions. Serious overcrowding makes it difficult to give our patients the care we should like to give. Too many of them are obliged to share a room with others. This is disquieting to the relatives and does not contribute to the comfort of the patients themselves. We realize that every State hospital has the same problem to deal with, and we accept the situation with what grace we may, hoping that in time adequate provision will be made for the care of all the patients of our district somewhere in this district, and not so far from their homes as are the institutions to which so many have been transferred in recent years.

The cost of maintenance for the present year has been about \$31,000 less than for the previous year. This was possible partly because of a decline in the prices of supplies, but largely

because of an extreme shortage of help. At times there were on our pay roll only about half the number of employees allotted to us.

The receipts of the hospital for the year amounted to \$83,709.86 from the following sources: from board of patients, \$80,456.86; from sales, \$2,050.34; and from miscellaneous sources, \$1,202.66. These receipts, which revert to the State treasury, reduce the per capita cost of maintenance of our patients by nearly \$1.60 per week.

No special appropriations were made by the Legislature for our hospital this year.

The reports of the superintendent and of the treasurer, which accompany our report, will give more in detail the facts concerning the affairs of the hospital and the financial condition.

In our monthly visits we have been favorably impressed with the general appearance of comfort of the patients.

There have been two changes on our staff to record. Dr. Lucien H. Harris, resident dentist, entered the service June 1. Dr. Arthur N. Ball, after an honorable and satisfactory service of nine years, resigned to accept a promotion at the Gardner State Colony.

EDWARD C. GERE.

HARRY L. HOWARD.

JOSEPH W. STEVENS.

EMILY N. NEWTON.

CAROLINE A. YALE.

LUKE CORCORAN, M.D.

CHARLES W. KING.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

The superintendent's report of the affairs of the hospital for the year ending Nov. 30, 1921, is hereby respectfully submitted.

At the beginning of our statistical year, Oct. 1, 1920, there were 975 patients in the hospital and 10 in family care. There were, besides these, 214 away from the hospital on trial visit, and 20 on escape, some of the latter having been carried on our books for a period of years. The number of patients admitted during the year was 400, making the total number of 1,619 under care and observation. The number dismissed was 438, leaving on our books, 1,181, distributed as follows: in the hospital, 987; in family care, 10; on visit, 164; on escape, 20.

The daily average number cared for in the hospital was 1,003, and the largest number in the hospital on any one day was 1,044.

One hundred and seventy patients were admitted for observation or temporary care, all but 29 of whom later were regularly committed.

Seventeen of the admissions were voluntary, coming of their own volition and remaining only as long as they cared to stay.

The average age of the patients admitted was forty-three years. Many old people were among the number admitted, 88 of them being over sixty years old, 20 of these ranging between the ages of eighty and ninety-seven years.

Patients who never before had been cared for in a hospital for the insane numbered 308. These constitute the first admissions that are considered in the statistical tables appended to this report.

Of these first admissions, 86 had some form of organic brain disease, abscess of the brain, tumor of the brain, cerebral and cerebrospinal syphilis, cerebral arteriosclerosis, Huntington's

chorea and general paralysis. In all of these types the prognosis is unfavorable.

There were 16 cases in which the use of alcohol was the chief cause of the mental trouble, a very noticeable diminution in numbers admitted from this cause as compared with a few years ago; 12 of these were of a chronic form from which few recoveries may be expected.

There were 80 cases of dementia præcox; the prognosis is not favorable in the vast majority of these cases.

The duration of insanity before admission ranged from a short period in a few cases to months and years in the larger number of cases admitted.

Thus a brief analysis shows that in comparatively few cases admitted could we hope for complete recovery, an unfavorable prognosis being predicated by certain not hopeful types, by long duration of the mental disorder before coming under treatment, and by the retrograde processes that accompany advanced age.

Of the first admissions, 97 were foreign born, a slightly smaller percentage than in previous years, probably due to the smaller number of immigrants coming to this country than in years before the war. They were of the following races: Austrian, 6; Belgian, 1; Canadian, 18; Czecho-Slovak, 1; English, 6; Finnish, 1; French, 1; German, 5; Greek, 3; Dutch, 1; Hungarian, 1; Irish, 20; Italian, 7; Polish, 9; Russian, 9; Scotch, 3; Swedish, 2; Turkish, 2; Welsh, 1.

The number of patients discharged from our books was 438; of these, 71 were discharged as recovered, 105 as improved, 34 as unimproved, and 8 as not insane, and 106 were transferred to other hospitals, as follows: Grafton State Hospital, 57; Gardner State Colony, 43; Worcester State Hospital, 1; Bridgewater State Hospital, 1; Monson State Hospital, 3; Tewksbury State Infirmary, 1.

One hundred and fourteen patients died, the principal causes of death being as follows: cerebral hemorrhage in 30 cases; general paresis in 11 cases; pulmonary tuberculosis in 11 cases; chronic endocarditis in 9 cases; cerebral embolism in 5 cases; chronic interstitial nephritis in 3 cases; cerebral thrombosis in 3 cases; pellagra in 2 cases.

The routine medical work of the hospital was carried on as usual despite the shortage of help on our medical staff and on

the nursing staff as well. During a part of the year there was only one assistant physician on the male side of the hospital, and throughout the whole year only one to care for the female patients.

Care and study of the patients become more intensive each year, and there is a steady and seemingly continuous increase in what we may call the extra institutional work, — social service, the outlying clinics, consultations and the like.

During the present year the scope of our medical activities, already extensive, has been broadened by the addition of two new lines of work, — first, the examination by some member of our staff of persons indicted for capital offences and of persons who have been arrested for repeated offences or who previously have served a sentence, and second, the examination of the retarded school children of our district. This latter work, with the clinics, demands practically the full time of one of our assistants, Dr. Whitney, and of two young women to make the psychological and school tests. For this latter work we have two graduates of Mount Holyoke College, — Miss Miriam Carpenter and Miss Helen Hickman. A great deal of preparation was necessary before beginning the actual examination of these children late in our hospital year; already many children have been examined, but the results cannot yet be tabulated.

During the summer lectures and demonstrations to students of the Smith College Training School for Social Work were continued as in the three previous years. Special talks and demonstrations were given to classes in sociology from three neighboring colleges and to graduating classes of nurses in the training schools of Dickinson Hospital and the Holyoke Hospital.

The following is a brief report of our out-patient work. Clinics were held regularly each month at Pittsfield and North Adams. During the early months of the year our shortage of medical help required that persons who had been served by the Greenfield and Springfield clinics should come to the hospital or be seen by appointment, but these clinics were resumed in May and have been conducted regularly since then.

A total of 702 cases were seen at the various clinics. Of these, 389 came for consultation concerning themselves or in regard to relatives or friends. Many of these had been at some time patients of the hospital, and they came with confidence,

seeking help; 178 never had been inmates of a hospital. Some of these came at the request of relatives or on the advice of physicians or of community workers. Others were referred by judges, by police officers, by church visitors, and by different charitable organizations.

The desire is to make these clinics a sort of small society of mental hygiene, as it were. Advice and encouragement will often enable the patient to remain at home rather than to resort to institutional care. In other cases, which seem to be in need of skilled and experienced care, the apprehension of the hospital so common to many has to be dispelled in order that early treatment at the hospital may be acceptable to patient or relatives, thus promoting prospects of earlier improvement or recovery. Not the least beneficial in results are the efforts to reinstate in the community patients at the hospital who have not fully recovered. Here the relatives and the public have to be educated to the realization that many patients, though not entirely well, may live away from the hospital, under proper supervision, perhaps engaged in some lucrative employment, thus bringing a measure of contentment to the patient and opportunity to become partially if not wholly self-supporting.

There have been 202 patients away from the hospital on trial visit during the year. They may remain away a year if they do well, with the privilege of returning, or, if necessary, of being brought back to the hospital at any time within the period of probation. They are required to report occasionally to the hospital or at the clinics, as seems advisable. The moral support of being under our supervision is enough in many cases to enable them to remain at home, and finally to be discharged at the end of the visit. There are several patients, 17 this year, who renew their visits annually, seeming to need the help and encouragement afforded by our oversight. Five patients, aliens, under consideration for deportation, but for whom deportation has not been procurable because of conditions in their native countries, have been allowed at liberty by permission of the Department of Mental Diseases under obligations to report to us. They are self-supporting. Their peculiarities are recognized, but they do not need to remain at the

hospital, inasmuch as they are under our supervision and may be returned to the hospital at any time if necessary.

The number of patients in family care has been smaller than in previous years because of the difficulty of finding suitable boarding places at the rate of board heretofore allowed. An increase in the rate has now been allowed, and it is hoped to place a larger number in families the coming year.

Study of the relationship of the internal glandular secretions to mental disorders, if any, has been continued. Several patients have shown such marked changes and improvement under treatment by glandular extracts as to encourage the belief that some cases may be due to an imbalance in the functioning of the endocrines, correction of which may be followed by improvement or recovery.

We were without the services of a resident dentist during the first six months of the year, all necessary dental work during this period being done by dentists in town. On June 1 Dr. Lucien H. Harris was appointed to the position and began his service at the hospital. His report of work done is as follows: alloy fillings, 357; cement fillings, 175; enamel fillings, 115; cleanings, 275; extractions, 275; treatments, 305; plates repaired, 7.

Routine classwork in our training school for nurses has continued, with fewer nurses in training and fewer applications for admission to the school, but this condition we learn has prevailed throughout the country.

Five nurses — Josephine A. Perkowski, Ethel M. Page, Lenna I. Parks, Mayme R. Rockhill and Mary A. Spitzer, — who had completed their courses here and at Tewksbury State Infirmary, with whose school we are in affiliation, successfully passed their examinations, and with three of the class of 1920 — Mary A. Jacobs Braman, Elizabeth Rowe and Lillian Odell — were graduated in October with the following appropriate and very pleasing exercises: overture; invocation by Rev. James W. Broderick; address of welcome by Lenna I. Parks, address by Dr. John H. Nichols, Superintendent of the Tewksbury State Infirmary; class prophecy by Mayme R. Rockhill; presentation of diplomas by the superintendent, followed by a reception and dancing.

It is gratifying to report that ten of our graduates are now on our nursing staff, a third of all the number at present in our female nursing service.

The affiliating course at Tewksbury State Infirmary has been increased to a year. There our pupil nurses receive full courses in surgery, diseases of children, obstetrics and gynecology, supplementing the other courses given here and enabling them to meet the necessary qualifications for the degrees of R.N.

We had less than half our quota of nurses throughout the year. Because of this scarcity keys were given to capable and trustworthy patients to help in the care of other patients and in the ward work. Seven patients have been employed thus to our great satisfaction. They are faithful, they are especially sympathetic, as might be expected, and they enjoy their work with its responsibilities. They have earned the respect of nurses and of fellow patients, and are worthy of heartfelt commendation. Two others were discharged as patients and are now on our pay roll as employees.

Employment and amusement, among the most valuable of our therapeutic agencies, have been used in full measure. All patients who are physically and mentally capable are required to do some sort of work suited to their capabilities, and, in so far as is advisable, in accordance with their inclinations. A degree of contentment, distraction from mental troubles, the satisfaction of accomplishment as with normal persons, and the physical improvement that ensues are beneficial results of daily occupation. Employment is found in every department of the institution with the association and under the direction of employees, — on the wards, in dining rooms and kitchens, bakery, sewing rooms and laundry, at the carpenter shop, machine shop and paint shop, in the gardens, on the farm, at the green-houses and barns. Some patients can be found who helpfully assist in all repair work of every description from the simplest to the most complex.

Special cases come under the supervision and instruction of our teachers in occupational therapy and industrial therapy. Here are provided the following activities promoting the convalescence of some, contributing to the contentment of others: sewing, knitting, crocheting, weaving, rugmaking, basketry,

pottery, painting, toy making, cane seating, broom making, shoe repairing, upholstery and mattress making, cutting and making of dresses, shirts, jumpers and overalls, making of tin-ware, and the like. Following is a report of the work done in the women's industrial department: 220 pieces of crocheting and knitting, — yokes, doilies, luncheon sets, bedspread, face cloths, sweaters, scarfs; 6 pairs of booties, slippers and socks; 77½ yards of edging; 300 yards of tatting for edging; 1,415 pieces of sewing and embroidery, — pieced silk bedspread, appliquéd table runners, colonial table mats; 43 pairs of pillow cases made and trimmed; 1,362 pieces hemmed, hemstitched or embroidered; 365 pieces of reed and raffia basketry, — vases, trays, napkin rings, baskets; 15 bead chains and fobs; 50 pieces of weaving, — table runners, rugs; 13 yards of toweling; 88 pieces of pottery; 150 pieces of oil and water-color paintings, — cards, calendars, stamp boxes, door stops, monkeys and parrots; there were also May baskets and Easter baskets made, a May pole, 500 paper flowers, — roses, daffodils, morning glories, carnations, wistarias, chrysanthemums, poinsettias, tulips, daisies, sweet peas, violets, shamrocks; for entertainments there were made wands, head dresses, garlands and other decorations; for the masquerade 18 new costumes were made; quantities of burlap bags were raveled and put into skeins for weaving; cotton bed pads were picked apart that cotton might be used for pillows and mattresses.

In the men's department 928 pair of shoes were soled, heeled and patched; 390 mattresses were made of old material, 96 of old hair and new ticks, 66 of new material, 23 strong mattresses; 196 pillows were made of old material, 106 of old hair and new ticks; 552 brooms were made; 441 rugs were made, — burlap, rag, hemp, hooked; 160 chairs were caned; 109 pieces of basketry, — waste baskets, laundry baskets, hand baskets; 21 barn brushes; 43 denim aprons and coats; 95 pairs of denim trousers; 4 coats and vests of wool; 77 pairs of trousers of wool; 17 cement flower pots.

Entertainments, the value of which form of treatment is not calculable, were provided freely throughout the year. Out-of-door sports in their season and indoor amusements throughout the year, moving pictures every week, and weekly dances

throughout the winter months, have comprised the routine forms of amusement. Concerts were given frequently by persons not connected with the hospital, and our own people provided entertainment freely. The choir on Sundays at the two regular services is made up of patients with one or two supervising employees. At the moving pictures and at impromptu gatherings our own orchestra has furnished the music.

The holidays were appropriately observed. On Washington's Birthday there was the annual masquerade ball much enjoyed by both patients and employees. Fourth of July was celebrated with out-of-door sports. On Thanksgiving Day and at Christmas special dinners were enjoyed, and on the latter holiday the halls were decorated with evergreens and small Christmas trees. On Christmas Eve candy and presents were distributed to patients from a larger tree in chapel, both tree and hall being beautifully decorated with evergreens, colored lights and appropriate mottoes. A part of the evening's entertainment was a concert given by friends in town and assisted by the daughters of one of our employees, of which the program was as follows: instrumental and vocal solos by members of the Clef Club from the city, Mrs. Bement, Mrs. Day, Mrs. Berwick, Miss Pringle and Miss Gere; Christmas carols, with Miss Lord as accompanist on the organ; selections by the hospital choir; and recitations by the Misses Pope.

Assemblies for religious services were held twice on each Lord's day as in previous years.

The year on the farm, as shown by the following report of farm products, was about an average one, a little below our needs and expectations in quantities raised, but more favorable than last year; 487 tons of ensilage corn; 329 tons of hay; 8 tons of pease and oats; 97 tons of rowen; 2,432 bushels of potatoes; 270 bushels of string beans; 87 boxes of asparagus; 337 bushels of beets; 42 tons of cabbage; 173 boxes of celery; 400 bushels of sweet corn; 299½ boxes of lettuce; 7,044 pounds of rhubarb; 479 bushels of tomatoes; 524 bushels of turnips; 872 hundredweight of winter squash; 365 hundredweight of watermelons; 360 bushels of onions; 2,111 quarts of strawberries.

Of the many activities in the way of repairs, renewals and new installations the more important ones are recorded here for future reference.

A water pipe was laid from the main pipe outside the engine room to the ice machine room to supply a sprinkler system in the shops; fire line risers with hose connections on each floor were erected in the first stairway north, and in the stairway to the South Infirmary. The following new apparatus was purchased: 10 lengths of 2½-inch rubber-lined fire hose, 11 lengths of 1½-inch linen hose, 10 1½-inch hose pipes, 10 hose racks, 29 3-gallon fire extinguishers. New underground steam lines were laid in cement boxes from the South Infirmary to No. 1 greenhouse, from the south nurses' home to No. 2 greenhouse, and from the boiler room to the main barns, a distance in all of about 500 feet. A tunnel of cement for pipes and wires was built from the engine room to the end of the third halls south. This was about 220 feet in length by 5 feet high and 4 feet wide. A cylinder and piston were replaced in No. 1 engine, a feed-water regulator was installed on No. 3 boiler, and push nipples on the radiators in the basement of the administration building were renewed. A section of the passenger elevator plunger was renewed. The main barns were rewired for lighting, and the wire for the street lights was relaid underground in pitch from the paint shop to the courtyard corner, a distance of about 300 feet. A new toilet room in the basement, next to the new smoking room, was equipped with fixtures. Two continuous-flow bathtubs for treatment were set up in the South Infirmary. The following new apparatus and material were purchased and installed: two drill presses in the machine shop, a feed pump for the boilers, a rotary tube cleaner for the boilers, an automatic temperature controller for each greenhouse, a garment press for the laundry, and a kettle for melting pitch and tar to be used in the construction of roads, sidewalks and foundation walls. The industrial room under the men's dormitory was enlarged by the addition of the old smoking room by cutting a doorway through the wall that separated them. The house recently purchased on Grove Street was resingled and repainted, and a hot-water tank was installed at the house occupied by the chief engineer.

Friends of patients and of the hospital continue to remember us generously with gifts of various kinds, and with contributions of money for the benefit at Christmas of such patients as have no friends to send gifts.

Books and magazines and subscriptions to periodicals are sent and are very welcome.

To the following persons I give sincere and heartfelt thanks: Miss Grace E. Warren sent typewriter boxes; Miss Cutler sent a box of miscellaneous articles to be used in our industrial department; L. H. Smith sent a book of views; Mr. Charles Chapman gave a suit of clothes; Mr. N. Lyman Elmer gave money at Fourth of July to be used for that holiday; Mrs. Crossin donated magazines throughout the year, and at Christmas sent a box of useful articles; Tait Brothers gave ice cream for all the patients in the hospital at Thanksgiving; and at Christmas money was sent by Mrs. Parker, Mr. Elmer, Mr. Clancy, Mr. Foley, Mr. Vincent and Miss Dickinson.

In November Dr. Arthur N. Ball left our service to enter the service of the Gardner State Colony as assistant superintendent. He came here first as an attendant while working his way through medical college, and then, on Oct. 1, 1912, as assistant physician. He was faithful and conscientious in all he did and was universally liked by employees and patients. He and Mrs. Ball were agreeable members of our official family, and we shall miss them.

I feel it a pleasant duty to record the long and faithful service of another employee, David Mercier, who left us in November, having reached the retirement age. For a period of forty-five years, lacking two months, he had performed the duties of coachman in an honorable and trustworthy manner, enjoying the respect of hospital people and of townspeople as well, to whom his was a familiar figure in his daily trips through town to carry the mails, taking officials and visitors from and to the station, taking patients to ride, and executing innumerable errands, not the least pleasing if not the least onerous of which was the engaging of the ministerial supply for our Sunday service.

Respectfully submitted with my appreciation of the support and encouragement given me by your Board.

JOHN A. HOUSTON,

Superintendent.

VALUATION.

Nov. 30, 1921.

REAL ESTATE.

Land (513 acres)	. . . . .	\$126,753 75
Buildings	. . . . .	908,374 28
		<hr/>
		\$1,035,128 03

PERSONAL PROPERTY.

Travel	. . . . .	\$6,459 73
Food	. . . . .	10,639 78
Clothing and materials	. . . . .	19,754 72
Furnishings and household supplies	. . . . .	80,253 67
Medical and general care	. . . . .	1,754 50
Heat, light and power	. . . . .	17,775 36
Farm	. . . . .	45,227 54
Garage, stable and grounds	. . . . .	5,176 38
Repairs	. . . . .	19,741 88
		<hr/>
		\$206,783 56

SUMMARY.

Real estate	. . . . .	\$1,035,128 03
Personal property	. . . . .	206,783 56
		<hr/>
		\$1,241,911 59

TREASURER'S REPORT.

To the Department of Mental Diseases.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1921:—

CASH ACCOUNT.

Deficit Dec. 1, 1920	\$5,871 92
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Receipts.

Income.

Board of inmates:

Private	\$51,162 99	
Reimbursements, insane	29,293 87	
		\$80,456 86

Personal services:

Reimbursement from Board of Retirement		25 62
--	--	-------

Sales:

Travel, transportation and office expenses		
	\$12 13	
Food	829 53	
Clothing and materials	316 03	
Furnishings and household supplies	80 93	
Farm:		
Cows and calves	\$77 00	
Hides	33 29	
Ox yokes	10 00	
		120 29
Arts and crafts sales	691 43	
		2,050 34

Miscellaneous:

Interest on bank balances	\$452 12	
Rent	723 92	
One barrel	1 00	
		1,177 04
		83,709 86

Receipts from Treasury of Commonwealth.

Maintenance appropriations:

Balance of 1920	\$22,362 16	
Advance money (amount on hand November 30)	29,000 00	
Approved schedules of 1921	278,082 51	
		329,444 67

Special appropriations		10,256 17
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Total		\$417,538 78
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Payments.

To treasury of Commonwealth, institution income	\$83,709 86	
Maintenance appropriations:		
Balance of schedules of previous year	\$16,490 24	
Eleven months' schedules, 1921	278,082 51	
November advances	19,369 11	
		313,941 86
Special appropriations:		
By hospital	\$6,756 17	
By Massachusetts Commission on Mental Diseases	3,500 00	
		10,256 17
Balance, Nov. 30, 1921:		
In bank	\$9,054 53	
In office	576 36	
		9,630 89
Total		\$417,538 78

MAINTENANCE.

Balance from previous year, brought forward	\$908 72	
Appropriation, current year	347,400 00	
Total	\$348,308 72	
Expenses (as analyzed below)	319,436 50	
Balance reverting to treasury of Commonwealth	\$28,872 22	

Analysis of Expenses.

Personal services:		
John A. Houston, superintendent	\$4,800 00	
Medical	7,490 83	
Administration	7,962 46	
Kitchen and dining-room service	7,433 06	
Domestic	9,837 55	
Ward service (male)	27,654 63	
Ward service (female)	18,601 88	
Industrial and educational department	2,338 37	
Engineering department	21,160 85	
Repairs	8,527 20	
Farm	11,696 10	
Stable, garage and grounds	2,300 66	
		\$129,803 59
Religious instruction:		
Catholic	\$600 00	
Hebrew	100 00	
Protestant	520 00	
		1,220 00
Travel, transportation and office expenses:		
Advertising	\$290 31	
Postage	326 20	
Printing and binding	465 97	
Printing annual report	217 00	
Amounts carried forward	\$1,299 48	\$131,023 59

Amounts brought forward \$1,299 48 \$131,023 59

Travel, transportation and office expenses—*Con.*

Stationery and office supplies	1,831 88
Telephone and telegraph	1,138 07
Travel	1,349 67
Express	314 90
Premium on bond	40 00

5,974 00

Food:

Flour	\$7,404 45
Cereals, rice, meal, etc.	1,262 54
Bread, crackers, etc.	140 51
Peas and beans (canned and dried)	1,315 72
Macaroni and spaghetti	419 12
Potatoes	1,784 73
Meat	18,985 46
Fish (fresh, cured and canned)	2,847 52
Butter	1,984 62
Butterine, etc.	3,838 65
Peanut butter	6 16
Cheese	1,097 66
Coffee and cocoa	443 75
Coffee substitutes	486 78
Tea	416 94
Ice cream	76 70
Milk (condensed, evaporated, etc.)	477 94
Eggs (fresh)	5,526 49
Egg powders, etc.	12 50
Sugar (cane)	3,090 37
Fruit (fresh)	1,753 68
Fruit (dried and preserved)	4,775 93
Lard and substitutes	1,296 06
Molasses and syrups	930 57
Vegetables (canned and dried)	243 26
Seasonings and condiments	577 93
Yeast, baking powder, etc.	478 30
Tapioca and cornstarch	552 11
Nuts	208 25
Ginger ale and grapejuice	167 64
Gelatine	157 52
Chocolate	71 94
Cookies	26 45

62,858 25

Clothing and materials:

Boots, shoes and rubbers	\$1,829 74
Clothing (outer)	1,055 67
Clothing (under)	2,101 57
Dry goods for clothing	1,486 56
Hats and caps	107 66
Leather and shoe findings	91 18
Machinery for manufacturing	79 66
Socks and smallwares	2,107 07
Industries	614 65

9,473 76

Amount carried forward \$209,329 60

<i>Amount brought forward</i>		\$209,329 60
Furnishings and household supplies:		
Beds, bedding, etc.	\$7,202 70	
Carpets, rugs, etc.	742 58	
Crockery, glassware, cutlery, etc.	1,364 76	
Dry goods and smallwares	2,027 68	
Electric lamps	490 54	
Fire hose and extinguishers	409 79	
Furniture, upholstery, etc.	4,052 09	
Kitchen and household wares	4,429 13	
Laundry supplies and materials	3,757 37	
Lavatory supplies and disinfectants	520 10	
Machinery for manufacturing	16 83	
Table linen, paper napkins, towels, etc.	1,599 98	
		26,613 55
Medical and general care:		
Books, periodicals, etc.	\$333 96	
Entertainments, games, etc.	1,910 90	
Funeral expenses	161 55	
Gratuities	4 00	
Ice and refrigeration	665 41	
Laboratory supplies and apparatus	3 00	
Medicines (supplies and apparatus)	1,337 70	
Medical attendance (extra)	35 50	
Patients boarded out	2,545 10	
Return of runaways	28 97	
Tobacco, pipes, matches	684 98	
Water	3,282 81	
Photo supplies	50 62	
Dental supplies	271 24	
Continuous treatment baths	635 38	
		11,951 12
Heat, light and power:		
Coal (bituminous)	\$10,843 98	
Freight and cartage	15,589 29	
Coal (anthracite)	2,099 74	
Freight and cartage	609 99	
Wood	5 00	
Electricity	78 39	
Gas	231 19	
Oil	458 49	
Operating supplies for boilers and engines	263 31	
		30,179 38
Farm:		
Bedding materials	\$930 07	
Blacksmithing and supplies	425 15	
Carriages, wagons and repairs	499 71	
Dairy equipment and supplies	85 39	
Fencing materials	262 40	
Fertilizers	3,002 26	
Grain, etc.	8,143 02	
Harnesses and repairs	225 75	
Other live stock	950 00	
Labor (not on pay roll)	56 00	
<i>Amounts carried forward</i>	\$14,579 75	\$278,073 65

<i>Amounts brought forward</i>	\$14,579 75	\$278,073 65
Farm — Con.		
Rent	100 00	
Spraying materials	208 10	
Stable and barn supplies	69 06	
Tools, implements, machines, etc.	1,959 27	
Trees, vines, seeds, etc.	1,175 73	
Veterinary services, supplies, etc.	369 52	
Transfers and registrations	16 00	
Lime	178 50	
		18,655 93
Garage, stable and grounds:		
Motor vehicles	\$1,731 50	
Automobile repairs and supplies	1,615 93	
Blacksmithing and supplies	49 25	
Carriages, wagons and repairs	7 50	
Fertilizers	46 18	
Grain	46 00	
Road work and materials	244 64	
Stable supplies	4 25	
Tools, implements, machines, etc.	98 77	
Trees, vines, seeds, etc.	305 06	
		4,149 08
Repairs, ordinary:		
Brick	\$49 60	
Cement, lime, crushed stone, etc.	751 97	
Electrical work and supplies	683 50	
Hardware, iron, steel, etc.	580 42	
Labor (not on pay roll)	207 80	
Lumber, etc. (including finished products)	1,932 70	
Paint, oil, glass, etc.	2,286 53	
Plumbing and supplies	692 58	
Roofing and materials	619 89	
Steam fittings and supplies	2,085 03	
Tools, machines, etc.	608 43	
Boilers, repairs	601 96	
Engines, repairs	154 80	
		11,255 21
Repairs and renewals:		
Rotary tube cleaner	\$138 50	
Feed pump	430 00	
Hot-water circulating pump	258 24	
Electric light posts	249 73	
Steam line to main barn	250 00	
Steam main to No. 2 greenhouse	330 00	
Steam main to No. 1 greenhouse	110 00	
Steam main to horse barn and piggery	695 00	
Tunnel for pipes and wires	894 95	
Fire-protection apparatus	565 22	
Portable tar kettle	153 93	
Window guards for nurses' homes	299 19	
Automatic temperature control, greenhouse	164 75	
Renewing plunge, elevator	275 00	
Slating gutters, North Infirmary	541 41	
<i>Amounts carried forward</i>	\$5,355 92	\$312,133 87

Amounts brought forward \$5,355 92 \$312,133 87

Repairs and renewals — *Con.*

New concrete gutter, North Infirmary	138 00	
Plumbing fixtures, No. 10 building	675 65	
Universal laundry press	335 00	
Parts for drying tumbler	75 00	
Silo	310 00	
Fireproof vault	139 72	
Feed controllers	273 34	
	<hr/>	7,302 63
Total expenses for maintenance		\$319,436 50

SPECIAL APPROPRIATIONS.

Balance Dec. 1, 1920		\$16,322 58
Expended during the year (see statement below):		
By hospital	\$9,660 65	
By Massachusetts Commission on Mental Diseases	3,500 00	
Reverting to treasury of Commonwealth	3,161 93	
	<hr/>	16,322 58
Balance Nov. 30, 1921, carried to next year		—

OBJECT.	Act or Resolve.	Whole Amount.	Expended during Fiscal Year.	Total Expended to Date.	Balance at End of Year.
Two nurses' homes	Chap. 50, Res. 1918	\$108,000 00	\$7,429 07	\$107,253 37	\$746 63
Purchase of land and buildings	Chap. 50, Res. 1918	5,000 00	613 45	4,966 57	33 43
Purchase of land	Chap. 629, Acts 1920	7,500 00	5,118 13	5,118 13	2,381 87
		\$120,500 00	\$13,160 65	\$117,338 07	\$3,161 93

* Balance reverting to treasury of the Commonwealth \$3,161 93

RESOURCES AND LIABILITIES.

Resources.

Cash on hand	\$9,630 89	
November cash vouchers (paid from advance money), account of maintenance	19,369 11	
	<hr/>	\$29,000 00
Due from treasury of Commonwealth from available appropriation account November, 1921, schedule		12,769 87
Special appropriations		2,904 48
	<hr/>	\$44,674 35

Liabilities.

Outstanding schedules of current year:		
Schedule of November bills	\$41,769 87	
Special appropriation schedules	2,904 48	
	<hr/>	\$44,674 35

PER CAPITA.

During the year the average number of inmates has been 1,004.70.

Total cost for maintenance, \$319,436.50.

Equal to a weekly per capita cost of \$6.114.

Receipt from sales, \$2,050.34.

Equal to a weekly per capita of \$0.0392.

All other institution receipts, \$81,659.52.

Equal to a weekly per capita of \$1.563.

Net weekly per capita cost of \$4.51.

Respectfully submitted,

EVA L. GRAVES,

Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

ALONZO B. COOK,

Auditor.

STATISTICAL TABLES

AS ADOPTED BY AMERICAN PSYCHIATRIC ASSOCIATION

PRESCRIBED BY MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

STATISTICAL TABLES.

TABLE 1. — *General Information.*

1. Date of opening as an institution for the insane: Aug. 16, 1858.		
2. Type of institution: State.		
3. Hospital plant:		
Real estate, including buildings and betterments	\$813,009	66
Personal property	213,291	78
	<hr/>	
Total	\$1,026,301	44

Total acreage of hospital property, 513½.

Acreage under cultivation during year, 145.

4. Medical service:	Men.	Women.	Totals.
Superintendents	1	—	1
Assistant physicians	2	2	4
Dentist	1	—	1
Medical internes	—	—	—
Clinical assistants	—	—	—
	<hr/>		
Total	4	2	6

5. Employees:	Males.	Females.	Totals.
Graduate nurses	—	7	7
Other nurses and attendants	37	22	59
Social workers	—	—	—
All other employees	45	27	72
	<hr/>		
Total	82	56	138

6. Percentage of patients employed during	Men.	Women.	Totals.
year	68.46	66.80	67.63

TABLE 2. — *Financial Statement.*

See treasurer's report for data requested under this table.

TABLE 3. — *Movement of Patient Population for the Year ending Sept. 30, 1921.*

	INSANE.			OTHER CLASSES.						TOTAL ON BOOKS.		
	Males.	Females.	Totals.	SANE, VOLUN- TARY.			TEMPORARY CARE AND OBSERVATION, NOT COMMITTED.			Males.	Females.	Totals.
				Males.	Females.	Totals.	Males.	Females.	Totals.			
1. Patients on books of institution Sept. 30, 1920	604	614	1,218	-	-	-	-	1	1	604	615	1,219
Admissions during the year:												
(a) First admissions	139	146	285	-	1	-	12	10	22	151	157	308
(b) Readmissions	40	46	86	-	-	-	5	2	7	45	48	93
Total admissions	179	192	371	-	1	-	17	12	29	196	205	401
(c) Transfers from other institutions for the insane	-	-	-	-	-	-	-	-	-	-	-	-
2. Total received during year	179	192	371	-	1	-	17	12	29	196	205	401
3. Total under treatment during year	783	806	1,589	-	1	-	17	13	30	800	820	1,620
Discharged from books during year:												
(a) As recovered	35	31	66	-	-	-	3	2	5	38	33	71
(b) As improved	55	43	98	-	-	-	5	2	7	60	45	105
(c) As unimproved	14	15	29	-	-	-	2	3	5	16	18	34
(d) As not insane	1	-	1	-	-	-	3	4	7	4	4	8
(e) Transferred to other institutions for the insane	50	56	106	-	-	-	50	56	106	50	56	106
(f) Died during year	59	52	111	-	-	-	3	1	4	62	52	114
(g) Nominally dismissed for commitment	-	-	-	-	-	-	-	1	1	-	1	1
4. Total discharged from books during year	214	197	411	-	-	-	16	12	28	230	209	439
5. Patients remaining on books of institution Sept. 30, 1921	569	609	1,178	-	1	-	1	1	2	570	611	1,181
<i>Supplementary Data.</i>												
6a. Average daily number of patients on books during year	604.102	618.508	1,222.610	-	.720	.720	.866	.669	1.535	604.968	619.897	1,224.865
6b. Average daily number of patients actually in institution during year	500.999	501.756	1,002.755	-	.720	.720	.866	.669	1.535	501.865	503.145	1,005.01
7a. Average daily number of patients in family care . . . . .	.167	8.526	8.693	-	-	-	-	-	-	.167	8.526	8.693
7b. Average daily number of patients on visit and escape	102.936	108.226	211.162	-	-	-	-	-	-	102.936	108.226	211.162
8. Number of voluntary patients admitted within the year	8	9	17	-	1	-	-	-	-	8	10	18
9. Number of temporary-care cases admitted within the year	64	77	141	-	1	-	17	12	29	81	99	170

[illegible]

TABLE 4. — *Nativity of First Admissions and of Parents of First Admissions.*

NATIVITY.	PATIENTS.			PARENTS OF MALE PATIENTS.			PARENTS OF FEMALE PATIENTS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
United States	93	95	188	56	53	109	58	57	115
Austria	2	4	6	2	2	4	4	4	8
Belgium	1	—	1	1	1	2	—	—	—
Canada	11	7	18	18	22	40	16	15	31
Czecho-Slovakia	—	1	1	—	—	—	1	1	2
England	4	2	6	8	6	14	6	7	13
Finland	—	1	1	—	—	—	2	2	4
France	1	—	1	2	2	4	—	—	—
Germany	2	3	5	4	4	8	5	5	10
Greece	3	—	3	2	2	4	—	—	—
Holland	—	1	1	—	—	—	1	1	2
Hungary	1	—	1	1	1	2	—	—	—
Ireland	5	15	20	21	23	44	27	32	59
Italy	3	4	7	3	3	6	4	4	8
Persia	—	—	—	—	—	—	1	1	2
Poland	4	5	9	4	4	8	6	6	12
Russia	5	4	9	7	7	14	4	4	8
Scotland	2	1	3	3	4	7	5	3	8
Sweden	—	2	2	—	—	—	1	1	2
Turkey in Asia	1	—	1	1	1	2	—	—	—
Turkey in Europe	—	1	1	1	1	2	—	—	—
Wales	1	—	1	1	1	2	—	—	—
Total foreign born	46	51	97	79	84	163	83	86	169
Unascertained	—	—	—	4	2	6	5	3	8
Grand total	139	146	285	139	139	278	146	146	292

TABLE 5. — *Citizenship of First Admissions.*

	Males.	Females.	Totals.
Citizens by birth	93	95	188
Citizens by naturalization	20	32	52
Aliens	26	18	44
Citizenship unascertained	—	1	1
Total	139	146	285

TABLE 6. — *Psychoses of First Admissions.*

PSYCHOSES.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	1	—	1	1	—	1
(a) Traumatic constitution	1	—	1	—	—	—
2. Senile, total	6	1	7	12	9	21
(a) Simple deterioration	1	2	3	—	—	—
(b) Presbyophrenic type	2	1	3	—	—	—
(c) Delirious and confused	2	3	5	—	—	—
(d) Depressed and agitated	1	1	2	—	—	—
(e) Paranoid	—	1	1	—	—	—
(f) Presenile	—	—	—	—	—	—
3. With cerebral arteriosclerosis	—	—	—	17	15	32
4. General paralysis	—	—	—	12	4	16
5. With cerebral syphilis	—	—	—	4	3	7
6. With Huntington's chorea	—	—	—	—	1	1
7. With brain tumor	—	—	—	—	1	1
8. With other brain and nervous diseases, total	—	1	1	3	4	7
Brain abscess	—	1	1	—	—	—
Cerebral embolism	1	—	1	—	—	—
Cerebrospinal syphilis	—	2	2	—	—	—
Tabo-paresis	2	1	3	—	—	—
9. Alcoholic, total	1	—	1	13	3	16
(b) Delirium tremens	1	—	1	—	—	—
(d) Acute hallucinosis	3	—	3	—	—	—
(e) Chronic hallucinosis	3	2	5	—	—	—
(g) Chronic paranoid	5	1	6	—	—	—
(h) Alcoholic deterioration	1	—	1	—	—	—
10. Due to drugs and other exogenous toxins, total	—	1	1	—	1	1
(a) Opium	—	1	1	—	—	—
11. With pellagra	—	—	—	—	2	2
12. With other somatic diseases	—	—	—	7	8	15
(b) Post influenza psychosis	1	1	2	—	—	—
(c) Exhaustion delirium	2	1	3	—	—	—
(d) Delirium of unknown origin	—	1	1	—	—	—
(e) Cardiorenal disease	4	2	6	—	—	—
(f) (1) With exophthalmic goiter	—	1	1	—	—	—
(2) With hypothyroid state	—	1	1	—	—	—
(3) With pituitary and ovarian deficiency	—	1	1	—	—	—
13. Manic-depressive, total	11	4	15	20	21	41
(a) Manic type	5	8	13	—	—	—
(b) Depressed type	1	2	3	—	—	—
(c) Stuporous type	2	4	6	—	—	—
(d) Mixed type	1	3	4	—	—	—
(e) Circular type	—	—	—	—	—	—
14. Involution melancholia	—	—	—	3	6	9
15. Dementia præcox, total	10	24	34	33	47	80
(a) Paranoid type	7	12	19	—	—	—
(b) Catatonic type	12	8	20	—	—	—
(c) Hebephrenic type	4	3	7	—	—	—
(d) Simple	—	—	—	—	—	—
16. Paranoia or paranoid conditions	—	—	—	—	—	—
17. Epileptic psychoses, total	—	2	2	—	2	2
(a) Epileptic deterioration	—	—	—	—	—	—
18. Psychoneuroses and neuroses	—	1	1	—	3	3
(a) Hysterical type	—	1	1	—	—	—
(b) Psychasthemic type	—	1	1	—	—	—
(d) Anxiety neurosis	—	1	1	—	—	—
19. With psychopathic personality	—	—	—	5	—	5
20. With mental deficiency	—	—	—	3	3	6
21. Undiagnosed	—	—	—	3	7	10
22. Without psychosis, total	2	1	3	3	6	9
(d) Psychopathic personality without psychosis	1	5	6	—	—	—
(e) Mental deficiency without psychosis	—	—	—	—	—	—
Total	—	—	—	139	146	285

TABLE 7. — *Race of First Admissions classified with Reference to Psychoses.*

RACE.	TOTAL.			PSYCHOSES.												WITH BRAIN TUMOR.								
	Males.	Females.	Totals.	TRAUMATIC.			SENILE.			WITH CEREBRAL ARTERIO-SCLEROSIS.			GENERAL PARALYSIS.						WITH CEREBRAL SYPHILIS.			WITH HUNTINGTON'S CHOREA.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.				Males.	Females.	Totals.	Males.	Females.	Totals.
African .	3	3	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Armenian .	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Dutch .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
English .	6	5	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Flemish .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
French .	15	15	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
German .	4	5	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Greek .	3	2	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Hebrew .	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Irish .	18	28	46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Italian .	3	5	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Lithuanian .	3	1	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Magyar .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Scandinavian .	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Scotch .	4	3	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Slavonic .	8	12	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Welsh .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Mixed .	66	62	128	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Total .	139	146	285	1	—	1	12	9	21	17	15	32	12	4	16	4	3	7	—	1	1	—	1	

TABLE 7. — *Race of First Admissions classified with Reference to Psychoses — Concluded.*

RACE.	PSYCHOSES.																	
	EPILEPTIC.			PSYCHONEUROSES.			WITH PSYCHO-PATHIC PERSONALITY.			WITH MENTAL DEFICIENCY.			UNDIAGNOSED.			WITHOUT PSYCHOSIS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
African	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Armenian	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Dutch	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
English	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Flemish	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
French	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
German	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Greek	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Hebrew	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Irish	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Italian	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Lithuanian	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Magyar	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Scandinavian	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Scottish	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Slavonic	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Welsh	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Mixed	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Total	2	2	4	3	3	6	5	5	10	6	6	12	7	7	14	3	6	9

TABLE 9. — *Degree of Education of First Admissions classified with Reference to Psychoses.*

Psychoses.	TOTAL.			ILLITERATE.			READS AND WRITES.			COMMON SCHOOL.			HIGH SCHOOL.			COLLEGE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	1	-	1	2	1	3	1	2	3	1	1	2	1	1	2	1	-	-	1	1	-
2. Senile	12	9	21	2	1	3	1	4	5	6	11	1	1	2	2	1	1	1	1	1	2
3. With cerebral arteriosclerosis	17	15	32	2	1	3	4	4	8	8	17	2	2	4	4	2	2	2	2	2	-
4. General paralysis	12	4	16	1	1	2	1	1	2	2	4	3	2	2	4	10	6	4	4	4	-
5. With cerebral syphilis	4	3	7	1	-	1	1	1	1	1	2	3	1	1	2	4	2	2	4	2	-
6. With Huntington's chorea	-	1	1	1	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	3	3	-	1	1	1	4	2	6	9	5	2	3	5	9	9	3	5	2	-
9. Alcoholic	13	3	16	-	1	1	1	4	2	6	9	2	2	3	5	9	9	2	3	7	-
10. Due to drugs and other exogenous toxins	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	7	8	15	-	-	-	1	2	3	5	4	9	2	5	7	1	1	2	1	1	-
13. Manic-depressive	20	21	41	1	-	1	5	4	9	12	12	24	2	2	4	9	2	2	4	2	-
14. Involution melancholia	3	6	9	-	-	-	1	4	5	1	5	6	1	5	6	1	1	2	1	2	-
15. Dementia precox	33	47	80	2	1	3	9	7	16	16	29	45	4	7	11	1	1	2	2	2	4
16. Paranoia and paranoic conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic	-	2	2	-	-	-	-	-	-	-	2	2	-	2	2	2	2	2	2	2	-
18. Psychoneuroses	-	3	3	-	-	-	-	-	-	-	2	2	-	2	2	2	2	2	2	2	-
19. With psychopathic personality	5	5	10	1	-	1	1	3	4	4	2	6	2	4	6	2	2	2	2	2	-
20. With mental deficiency	3	3	6	-	-	-	-	3	3	3	4	4	2	4	2	2	2	2	2	2	-
21. Undiagnosed	3	7	10	-	-	-	2	1	3	1	4	5	2	2	4	5	2	2	2	2	-
22. Without psychosis	3	6	9	-	3	3	-	3	3	3	2	4	-	4	2	2	1	-	1	-	-
Total	139	146	285	10	9	19	29	30	59	77	83	160	12	20	32	7	1	8	4	3	7

TABLE 10. — *Environment of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			URBAN.			RURAL.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	1	-	1	1	-	1	-	-	-
2. Senile	12	9	21	8	6	14	4	3	7
3. With cerebral arteriosclerosis	17	15	32	12	9	21	5	6	11
4. General paralysis	12	4	16	10	4	14	2	-	2
5. With cerebral syphilis	4	3	7	4	3	7	-	-	-
6. With Huntington's chorea	-	1	1	-	-	-	-	1	1
7. With brain tumor	-	1	1	-	1	1	-	-	-
8. With other brain or nervous diseases	3	4	7	2	2	4	1	2	3
9. Alcoholic	13	3	16	8	2	10	5	1	6
10. Due to drugs and other exogenous toxins	-	1	1	-	-	-	-	1	1
11. With pellagra	-	2	2	-	1	1	-	1	1
12. With other somatic diseases	7	8	15	5	7	12	2	1	3
13. Manic-depressive	20	21	41	15	15	30	5	6	11
14. Involution melancholia	3	6	9	3	4	7	-	2	2
15. Dementia præcox	33	47	80	22	34	56	11	13	24
16. Paranoia and paranoic conditions	-	-	-	-	-	-	-	-	-
17. Epileptic	-	2	2	-	2	2	-	-	-
18. Psychoneuroses	-	3	3	-	1	1	-	2	2
19. With psychopathic personality	5	-	5	2	-	2	3	-	3
20. With mental deficiency	3	3	6	3	2	5	-	1	1
21. Undiagnosed	3	7	10	3	4	7	-	3	3
22. Without psychosis	3	6	9	2	4	6	1	2	3
Total	139	146	285	100	101	201	39	45	84

TABLE 11. — *Economic Condition of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			DEPENDENT.			MARGINAL.			COMFORTABLE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	1	9	10	—	—	—	1	—	1	1	4	5	—	—	—
2. Senile	12	15	27	—	—	—	11	5	16	1	4	5	—	—	—
3. With cerebral arteriosclerosis	17	32	49	—	—	—	16	12	28	1	3	4	—	—	—
4. General paralysis	12	4	16	—	—	—	11	3	14	1	—	1	—	—	—
5. With cerebral syphilis	4	3	7	—	—	—	4	1	5	1	1	2	—	—	—
6. With Huntington's chorea	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	3	4	7	1	—	1	—	1	1	—	—	—	—	—	—
9. Alcoholic	13	3	16	1	—	1	12	4	16	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	7	8	15	—	—	—	—	—	—	1	1	2	—	—	—
13. Manic-depressive	20	21	41	—	—	—	15	17	32	5	4	9	—	—	—
14. Involution melancholia	3	6	9	—	—	—	3	3	6	1	3	4	—	—	—
15. Dementia precox	33	47	80	2	3	5	30	37	67	1	7	8	—	—	—
16. Paranoia and paranoic conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic	—	2	2	—	—	—	—	1	1	—	—	—	—	—	—
18. Psychoneuroses	—	3	3	—	—	—	—	2	2	—	1	1	—	—	—
19. With psychopathic personality	5	—	5	—	—	—	5	—	5	—	—	—	—	—	—
20. With mental deficiency	3	3	6	—	—	—	2	2	4	1	—	1	—	—	—
21. Undiagnosed	3	7	10	—	—	—	3	5	8	—	2	2	—	—	—
22. Without psychosis	3	6	9	—	2	2	3	4	7	—	—	—	—	—	—
Total	139	146	285	4	11	15	124	109	233	11	26	37	—	—	—

TABLE 12. — *Use of Alcohol by First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			ABSTINENT.			TEMPERATE.			INTEMPERATE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	1	0	1	1	0	1	6	1	6	1	1	2	1	1	2
2. Senile	12	15	27	6	14	20	8	2	10	3	1	4	1	1	2
3. Cerebral arteriosclerosis	17	15	32	6	14	20	8	2	10	3	1	4	1	1	2
4. General paralysis	12	4	16	5	2	7	5	1	6	2	1	3	1	1	2
5. With cerebral syphilis	4	3	7	2	2	4	1	1	2	1	1	2	1	1	2
6. With Huntington's chorea	—	1	1	—	1	1	—	1	1	—	—	1	—	—	1
7. With brain tumor	—	1	1	—	1	1	—	1	1	—	—	1	—	—	1
8. With other brain or nervous diseases	3	4	7	1	1	2	1	1	2	1	1	2	1	1	2
9. Alcoholic	13	3	16	1	1	2	1	1	2	1	1	2	1	1	2
10. Due to drugs and other exogenous toxins	—	1	1	—	1	1	—	1	1	—	—	1	—	—	1
11. With pellagra	—	2	2	—	2	2	—	2	2	—	—	2	—	—	2
12. With other somatic diseases	7	8	15	4	8	12	2	2	4	1	1	2	1	1	2
13. Manic-depressive	20	21	41	9	18	27	6	3	9	4	1	5	1	1	2
14. Involution melancholia	3	6	9	3	6	9	3	—	3	—	—	3	—	—	3
15. Dementia præcox	33	47	80	14	34	48	13	5	18	6	1	7	—	7	7
16. Paranoia and paranoic conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic	—	2	2	—	1	1	—	—	1	—	—	1	—	1	1
18. Psychoneuroses	—	3	3	—	3	3	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	—	3	3	1	1	2	4	—	4	—	—	4	1	1	2
20. With mental deficiency	3	3	6	2	3	5	1	—	1	—	—	1	1	1	2
21. Undiagnosed	3	7	10	1	6	7	1	1	2	—	—	2	1	1	2
22. Without psychosis	3	6	9	3	6	9	—	—	—	—	—	—	—	—	—
Total	139	146	285	55	117	172	50	15	65	31	4	35	3	10	13

TABLE 13. — *Marital Condition of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			SINGLE.			MARRIED.			WIDOWED.			SEPARATED.			DIVORCED.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	1	9	10	1	2	3	4	5	9	5	7	12	1	1	2	1	1	2	1	1	2
2. Senile	12	15	27	12	1	13	10	5	15	6	10	16	1	1	2	1	1	2	1	1	2
3. With cerebral arteriosclerosis	17	4	21	17	1	18	5	1	6	4	1	5	1	1	2	1	1	2	1	1	2
4. General paralysis	12	4	16	12	1	13	5	1	6	4	1	5	1	1	2	1	1	2	1	1	2
5. With cerebral syphilis	4	3	7	4	1	5	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2
6. With Huntington's chorea	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
7. With brain tumor	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
8. With other brain or nervous diseases	3	4	7	3	1	4	3	2	5	2	1	3	1	1	2	1	1	2	1	1	2
9. Alcoholic	13	3	16	13	1	14	7	1	8	2	1	3	1	1	2	1	1	2	1	1	2
10. Due to drugs and other exogenous toxins	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
11. With pellaagra	7	8	15	7	3	10	5	4	9	1	1	2	1	1	2	1	1	2	1	1	2
12. With other somatic diseases	20	21	41	10	4	14	9	14	23	1	3	4	1	3	4	1	3	4	1	3	4
13. Manic-depressive	3	6	9	2	2	4	3	1	4	1	3	4	1	3	4	1	3	4	1	3	4
14. Involution melancholia	33	47	80	23	21	44	7	17	24	2	2	4	1	3	4	1	3	4	1	3	4
15. Dementia præcox	1	2	3	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
16. Dementia and paranoic conditions	1	2	3	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
17. Epileptic	1	2	3	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
18. Psychoneuroses	5	3	8	5	3	8	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
19. With psychopathic personality	3	3	6	3	3	6	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
20. With mental deficiency	3	7	10	3	4	7	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2
21. Undiagnosed	3	6	9	3	5	8	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
22. Without psychosis	139	146	285	59	47	106	55	57	112	20	30	50	1	5	6	3	5	8	1	2	3
Total	139	146	285	59	47	106	55	57	112	20	30	50	1	5	6	3	5	8	1	2	3

TABLE 14. — *Psychoses of Readmissions.*

PSYCHOSES.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic . . . . .	.	.	.	-	-	-
2. Senile, total . . . . .	.	.	.	1	1	2
(a) Simple deterioration	1	1	2			
3. Cerebral arteriosclerosis . . . . .	.	.	.	1	1	2
4. General paralysis . . . . .	.	.	.	1	1	2
5. Cerebral syphilis . . . . .	.	.	.	-	1	1
6. Huntington's chorea . . . . .	.	.	.	-	-	-
7. Brain tumor . . . . .	.	.	.	-	-	-
8. With other brain or nervous diseases, total . . . . .	.	.	.	-	1	1
(1) Tabo-paresis	-	1	1			
9. Alcoholic, total . . . . .	.	.	.	3	-	3
(c) Korsakoff's psychosis	1	-	1			
(d) Acute hallucinosis	1	-	1			
(g) Chronic paranoid	1	-	1			
10. Due to drugs and other exogenous toxins . . . . .	.	.	.	-	-	-
11. With pellagra . . . . .	.	.	.	-	-	-
12. With other somatic diseases, total . . . . .	.	.	.	-	1	1
(a) Delirium with influenza	-	1	1			
13. Manic-depressive, total . . . . .	.	.	.	14	19	33
(a) Manic type	6	9	15			
(b) Depressive type	5	4	9			
(c) Stuporous type	-	1	1			
(d) Mixed type	2	2	4			
(e) Circular type	1	3	4			
14. Involution melancholia . . . . .	.	.	.	-	1	1
15. Dementia præcox, total . . . . .	.	.	.	14	20	34
(a) Paranoid type	6	7	13			
(b) Catatonic type	1	6	7			
(c) Hebephrenic type	7	5	12			
(d) Simple type	-	2	2			
16. Paranoia and paranoid conditions . . . . .	.	.	.	-	-	-
17. Epileptic . . . . .	.	.	.	-	-	-
18. Psychoneuroses and neuroses, total . . . . .	.	.	.	2	-	2
(c) Neurasthenic type	2	-	2			
19. With psychopathic personality . . . . .	.	.	.	-	-	-
20. With mental deficiency . . . . .	.	.	.	2	-	2
21. Undiagnosed . . . . .	.	.	.	1	-	1
22. Without psychosis, total . . . . .	.	.	.	1	-	1
(e) Mental deficiency without psychosis	1	-	1			
Total . . . . .	.	.	.	40	46	86

TABLE 15. — Discharge of Patients classified with Reference to Principal Psychoses and Condition on Discharge.

PSYCHOSES.	TOTAL.			RECOVERED.			IMPROVED.			UNIMPROVED.			NOT INSANE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	1	—	1	—	—	—	1	1	1	—	—	—	—	—	—
2. Senile	2	—	2	—	—	—	1	1	2	—	—	—	—	—	—
3. With cerebral arteriosclerosis	1	4	5	—	—	—	1	3	4	—	—	—	—	—	—
4. General paralysis	2	2	4	—	—	—	1	1	2	—	—	—	—	—	—
5. With cerebral syphilis	2	2	4	—	—	—	2	1	3	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
9. Alcoholic	19	3	22	10	1	11	8	2	10	1	—	1	—	—	—
10. Due to drugs and other exogenous toxins	1	1	2	—	—	—	1	—	1	—	—	—	—	—	—
11. With pellagra	—	3	3	—	1	1	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	6	6	12	4	6	10	1	—	1	—	—	2	—	—	—
13. Manic-depressive	32	27	59	21	19	40	10	5	15	1	1	2	—	—	—
14. Involution melancholia	1	6	7	—	3	3	—	2	2	1	3	4	—	—	—
15. Dementia præcox	23	31	54	—	—	—	19	26	45	1	4	9	—	—	—
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic	3	1	4	—	—	—	2	1	3	1	—	1	—	—	—
18. Psychoneuroses	2	1	3	—	—	—	2	1	3	—	—	—	—	—	—
19. With psychopathic personality	3	3	6	—	—	—	2	—	2	1	—	1	—	—	—
20. With mental deficiency	—	—	—	—	—	—	4	—	4	1	—	1	—	—	—
21. Undiagnosed	5	—	5	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Total	105	89	194	35	31	66	55	43	98	14	15	29	1	—	1

TABLE 16. — Causes of Death of Patients classified with Reference to Principal Psychoses — Concluded.

CAUSE OF DEATH.	PSYCHOSES.														
	WITH OTHER SOMATIC DISEASES.			MANIC-DEPRESSIVE.			INVOLUTION MELANCHOLIA.			DEMENTIA PRÆCOX.			EPILEPTIC.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
<i>General Diseases.</i>															
Carcinoma of intestines			1												
Carcinoma of rectum															
Carcinoma of stomach															
Carcinoma of uterus															
Epithelioma of head															
Exophthalmic goitre		1	1	1											
General septicæmia				1											
Pellagra				1											
Pulmonary tuberculosis	1		1	1						2	5	7	1		
Sudden death from natural causes ¹										1		1			
<i>Nervous System.</i>															
Abscess of brain															
Cerebral hemorrhage				1											
Cerebro-spinal syphilis				1						2	2	2			
Exhaustion from acute mania ¹				1											
General paralysis of insane				1											
Otus media, acute		1	1												
Status epilepticus													1		
Tubo-paresis															
<i>Respiratory System.</i>															
Acute bronchitis															
Broncho pneumonia										1	1	1			
Lobar pneumonia															
Pulmonary embolus															
Totals.	1	1	2	4	1	5	5	6	11	3	7	10	2	1	3

TABLE 17. — *Age of Patients at Time of Death classified with Reference to Principal Psychoses.*

[illegible]

TABLE 18. — *Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses.*

PSYCHOSES.	TOTAL.			MONTHS.												YEARS.																	
	Males.	Females.	Totals.	LESS THAN 1.			1-3.			4-7.			8-12.			1-2.			3-4.			5-10.			10-15.			15-20.			20 AND OVER.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	14	7	21	3	2	5	2	2	4	3	3	6	3	3	6	1	3	4	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2
2. Senile	10	14	24	4	5	9	1	3	4	1	2	3	1	1	2	1	3	4	1	1	2	1	1	2	1	1	2	1	1	2	4	3	7
3. With cerebral arteriosclerosis	10	2	12	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	4	3	7
4. General paralysis	3	2	5	2	1	3	2	1	3	2	1	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	4	3	7
5. With cerebral syphilis	3	2	5	2	1	3	2	1	3	2	1	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	4	3	7
6. With Huntington's chorea	2	3	5	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	4	3	7
7. With brain tumor	2	3	5	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	4	3	7
8. With other brain or nervous diseases	4	3	7	2	1	3	2	1	3	2	1	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	4	3	7
9. Alcoholic	4	3	7	2	1	3	2	1	3	2	1	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	4	3	7
10. Due to drugs and other exogenous toxins	4	3	7	2	1	3	2	1	3	2	1	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	4	3	7
11. With pellagra	4	3	7	2	1	3	2	1	3	2	1	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	4	3	7
12. With other somatic diseases	5	3	8	4	2	6	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	4	3	7
13. Manic-depressive	5	3	8	4	2	6	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	4	3	7
14. Involution melancholia	2	2	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	4	3	7
15. Dementia præcox	4	11	15	2	1	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	4	3	7
16. Paranoia and paranoic conditions	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	4	3	7
17. Epileptic	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	4	3	7
18. Psychoneuroses	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	4	3	7
19. With psychopathic personality	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	4	3	7
20. With mental deficiency	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	4	3	7
21. Undiagnosed	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	4	3	7
22. Without psychosis	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	4	3	7
Total	59	52	111	16	11	27	3	9	12	6	4	10	6	1	7	15	9	24	4	8	12	5	2	7	4	3	7	1	1	2	4	3	7

TABLE 19. — *Family-care Department.*

	Males.	Females.	Totals.
Remaining Oct. 1, 1920	1	9	10
Committed within the year	—	3	3
Whole number of cases within the year	1	12	13
Dismissed within the year	1	2	3
Returned to institution	1	1	2
Discharged	—	—	—
Died	—	1	1
Escaped	—	—	—
Remaining Sept. 30, 1921	—	10	10
Supported by State	—	8	8
Private	—	2	2
Self-supporting	—	—	—
Number of different persons within the year	1	12	13
Number of different persons admitted	—	3	3
Number of different persons dismissed	1	2	3
Daily average number . . . . .	.167	8.526	8.693
State	—	6.526	6.526
Private . . . . .	.167	2.00	2.167
Self-supporting	—	—	—

The Commonwealth of Massachusetts

ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1922

DEPARTMENT OF MENTAL DISEASES



PUBLICATION OF THIS DOCUMENT
APPROVED BY THE
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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

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Mr. JOSEPH W. STEVENS, <i>Secretary</i>	Greenfield.
Mrs. EMILY N. NEWTON	Holyoke.
Miss CARLOINE A. YALE	Northampton.
LUKE CORCORAN, M.D., <i>Chairman</i>	Springfield.
Mr. CHARLES W. KING	Chicopee Falls.
Mr. EDWARD C. GÈRE	Northampton.

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.	<i>Superintendent.</i>
EDWARD W. WHITNEY, M.D.	<i>Assistant Superintendent.</i>
ANGELA BOBER, M.D.	<i>Senior Assistant Physician.</i>
ORLAND R. BLAIR, M.D.	<i>Assistant Physician.</i>
— — —	<i>Assistant Physician.</i>
— — —	<i>Assistant Physician.</i>
HARRIET W. WHITNEY, M.D.	<i>Physician to Out-patient and Social Service De- partments.</i>
LUCIEN H. HARRIS, D.D.S.	<i>Dentist.</i>

NONRESIDENT OFFICERS.

Miss EVA L. GRAVES	<i>Chief Clerk and Treasurer (office at the hospital).</i>
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HEADS OF DEPARTMENTS.

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Mr. FRANK W. SMITH	<i>Steward.</i>
Mr. GEORGE B. ALLEN	<i>Farmer.</i>
Miss S. E. WARREN	<i>Matron.</i>
Miss LUCIA PRATT	<i>Social Service Worker.</i>
— — —	<i>Director of Occupational Therapy.</i>

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E. W. BROWN, M.D.	Northampton.
W. J. COLLINS, M.D.	Northampton.
C. R. GARDNER, M.D.	Northampton.
D. E. HARRIMAN, M.D.	Springfield.
R. H. SEELYE, M.D.	Springfield.
H. T. SHORES, M.D.	Northampton.

The Commonwealth of Massachusetts

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital respectfully submit their report for the year ending Nov. 30, 1922.

The superintendent's report will tell of the activities of the hospital and the treasurer's report will show in detail its financial affairs.

A daily average number of 1,040.42 patients were maintained at a weekly per capita cost of \$6.0033. This does not include the full cost of maintenance, because neither taxes nor interest on the Commonwealth's investment are reckoned as a part of the cost, nor the value of the milk, meats and vegetables produced on the farm.

The receipts from board of patients and from sales and other sources amounted to \$85,355.66.

The superintendent's monthly reports to our Board have been a frequently repeated tale of the difficulties and embarrassments of caring for a steadily increasing excess of patients with a fairly constant deficiency of officers and employees. We learn that neighboring States have had the same trouble in getting employees and in keeping them in the service. These conditions seem to be due largely to scarcity of labor and to the ease of obtaining employment in other pursuits that are more lucrative and less unattractive. The fact itself that so few apply for positions in our service implies that wages and living conditions offered by the hospital are not attractive enough, and this applies to all groups and grades in the service. Compensation should be sufficiently attractive to enable Massachusetts to make a selection from qualified applicants instead of having to accept only those who cannot get service elsewhere.

The annual reports of our Board over a long period of years have called attention to our need of more room for the accommodation of the patients from our district. Not to repeat the facts that emphasize this need, we refer to the superintendent's report, and in accordance with his recommendation respectfully request the Legislature to make an appropriation for the erection of two dormitories, one for men and one for women. The cost of each of these, based on estimates submitted by several contractors, should be from \$105,000 to \$110,000, including furnishings and equipment.

The hospital was unfortunate in losing by fire the recreation pavilion for men, the gift of Mrs. James in memory of Mr. L. D. James, a former member of our Board. This building was of immeasurable benefit to the patients who used it in large numbers every day. It was the only place where the men could go for their daily smoke. Its loss is seriously felt. Because of its great benefit to the hospital and as an expression of gratitude to the donor, we ask for an appropriation to rebuild it. Its destruction came after the date for submitting estimates to the Departments had passed, consequently no estimates of the cost of rebuilding have been made, but we think it can be replaced for about \$7,500.

A house and barn with a small lot of land have been offered for sale. The hospital owns the land on all sides of it and also the houses adjacent. It would be especially desirable for the hospital to own it, both to increase our accommodations for married employees and to prevent its passing into the hands of some owner other than the hospital. We recommend an appropriation of \$5,000 with which to purchase it and put it in repair.

There are several matters that, if not of immediate urgency, may become so soon, and we now call them to the attention of the supervising departments for future consideration.

The building now used for our fire-fighting apparatus and for some of our automotive vehicles is not large enough, nor of proper construction, and is of unsatisfactory design, being adapted to its present use from an old wagon house and cart shed. We are adding more trucks and extension fire ladders to our equipment and need more space, better-placed openings, and facilities for drying the hose after fire drills. The building

is of wood. A new one should be of brick with cement floors and partitions and with much larger floor space.

We have insufficient room for housing our employees. Quite extensive additions to our living accommodations will soon be required.

Institutions that are isolated or not near one of the larger cities where employees may find things "going on" during their hours off duty have found that a common meeting place on the institution grounds is instrumental in making for the comfort of employees, and so contributes to longer periods of service. At some time, sooner or later, this matter will force itself upon our consideration. The club house that was destroyed partly answered such a purpose at our institution in that it afforded a place where the men could meet when off duty, but there is no such place for the women, and, what is of more importance, there is no place here where the men and women may meet each other.

Our stable for driving horses will soon not be needed for that purpose, if, indeed, the time has not already come when it had better be converted to other uses. Horses are being replaced largely by automobiles, and the two or three which are now kept in the building in question can be cared for at one of the other farm buildings.

The question then arises whether the three matters last mentioned cannot be considered together. We require more room for employees; a community house is desired; before long the stable will require conversion to other uses. Why not make a community house of the ground floor of the stable and convert the second floor into living apartments for employees?

HARRY L. HOWARD.
JOSEPH W. STEVENS.
EMILY NEWTON.
CAROLINE A. YALE.
LUKE CORCORAN, M.D.
CHARLES W. KING.
EDWARD C. GERE.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

The superintendent's report of the operations of the hospital for the statistical year ending Sept. 30, 1922, and the fiscal year ending Nov. 30, 1922, is respectfully submitted for your consideration.

On Oct. 1, 1921, there were 1,181 patients under our care, of whom 987 were in the hospital, 10 in family care and 184 on visit or escape.

The admissions for the year numbered 454, and the dismissals 346, leaving 1,289 on our books at the end of the year. Of those remaining, 1,060 were in the hospital or in family care, the others being away from the hospital "on visit."

The total number under care and observation during the year was 1,635, which was larger by 46 than the number last year.

The daily average number in the hospital during the year was 1,040, an increase of 38 over the daily average number of last year.

Of the admissions, 350 had never been committed to another hospital for the insane (they are the "first admissions" in the statistical tables accompanying this report); 170 were committed under the ten days' temporary care provision; and 39 were committed for thirty-five days' observation.

A large proportion of the first admissions, nearly two-thirds, were of foreign parentage and 42 per cent were of foreign birth, their places of nativity being as follows: 35 were born in Ireland, 21 in Canada, 16 in Poland, 13 in Italy, 12 in England, 11 in Russia, 8 in Germany, 7 in Austria, 6 in Greece, 4 in Sweden, 3 in Scotland, 2 in France, 2 in Switzerland, and 1 each in Asia Minor, Belgium, Bohemia, China, Lithuania, Syria and Turkey.

Many aged persons were admitted, 38 being over seventy and 13 of these over eighty years of age. The youngest patient admitted was fourteen years of age, an imbecile, and the oldest

was eighty-nine. The average age of the first admissions was forty years, and this figure would be several years larger if all admissions were considered.

The predominating psychoses of patients admitted were as follows: dementia præcox, 139; manic-depressive, 73; senile and cerebro-arteriosclerotic psychoses, 53; general paresis and cerebral syphilis, 22.

There has been a marked increase in the number of alcoholic psychoses among the first admissions this year over the figures for the past few years. The percentages of these among the admissions of the past six years have been as follows:—

	Per Cent
1917	19.9
1918	9.5
1919	7.7
1920	6.9
1921	5.6
1922	10.0

From 1918 to and including 1921 there was a steady decrease in the number of such cases admitted, but during the past year they numbered almost twice as many as in 1921. This increase, so far as we can judge, is due to laxity in enforcement of the Federal laws, thus enabling those who wished for alcoholic drinks to obtain them easily.

With increasing experience in the diagnosis and treatment of pellagra it has become more easily recognizable than formerly. There has been no time in recent years when there were not several cases in the hospital. This year two cases were among the admissions.

The number of cases dismissed was 346; of these, 197 were discharged, 24 were transferred to other hospitals, and 125 died.

The discharged cases were classified as follows: 62 recovered, 81 improved, 34 unimproved, and 20 as not having a clearly marked psychosis, these latter including cases of mental deficiency without psychosis, psychopathic personality without psychosis and cases admitted under the thirty-five days' observation act.

Of those who died, the principal causes of death were cerebral hemorrhage in 32, general paresis in 16, chronic nephritis in 12,

lobar pneumonia in 8, pulmonary tuberculosis in 4, carcinoma of stomach in 3, carcinoma of uterus in 3, cerebral thrombosis in 3, pellagra in 2. Sixty-seven of them were over sixty years of age, 16 being over eighty. Twenty-five had been here less than a month, having some serious physical illness on admission in addition to their psychosis. One had been a resident of the hospital for thirty-three years and 1 for a period of forty-three years.

Routine medical attention has been given to all, and special attention to the newly admitted patients, such as physical examinations, vaccinations, urinalyses, blood and spinal fluid examinations, care of teeth and the like.

In all cases, 207 in number, who had a history of syphilis or whose cases seemed in any way doubtful, a Wassermann reaction was done on the blood, and in all suspected cases on the spinal fluid, with the result that the blood was found positive in 21 cases and the spinal fluid positive in 15 cases. Treatment was given to all of these except those who seemed quite beyond the hope of benefit. The number of patients given intensive treatment was 13, to whom were given 348 treatments. It is not possible to speak hopefully of results, as only one of the cases treated seemed to derive any appreciable benefit therefrom, and his was not a syphilitic psychosis but a psychosis, probably alcoholic, in a patient who had syphilis. In the light of our present experience it seems fair to believe that in the majority of syphilitic psychoses the brain and other nervous tissues have been damaged beyond repair by the time the patient's condition is recognized and commitment instituted, and that for the present not much more can be hoped for than the arrest of the disease process if even that may be expected.

The teeth of all patients admitted were inspected and treated by the dentist as soon as possible after admission. A brief report of the dentist's operations is as follows: 704 teeth were extracted, nearly 1,400 fillings of various sorts were made, besides much work on plates, bridges and the like.

The training school for nurses has carried on in a routine way with a reduced number of pupil nurses. The entering class numbered 6.

Reports from the affiliating school at Tewksbury are very

commendatory of our nurses who have gone there for their twelve months' affiliation, and the pupils who have gone there have spoken, in turn, in highly complimentary terms of the advantages offered and of their reception as members of the school.

This present year we have begun a systematic course of instruction to the attendants, to be completed within the year and to include rules and regulations, care of the ward, of hospital property and of patients' clothing, ethics, elementary nursing, types of insanity and general care of mental cases, accidents and emergencies, care and serving of food, hygiene and sanitation, hydrotherapy and occupational therapy.

This course is not intended in any sense to compete with the training course for the nurses, nor to offer a substitute for it, but is given in the hope of raising the standard of care of the patient and to instill in the attendant the general principles of nursing, especially of the insane. All in the ward service who are not taking the full course of training are expected to attend this course for attendants.

Despite frequent advertising and repeated applications to the employment bureaus, we have been unable to fill our quota of nurses and attendants. The quota of women nurses allowed us last year was 58, but the average number on the pay roll during the year was only 31. We have been fortunate in having patients comfortable and quite trustworthy, to help in the care of the wards and of other patients. Nine of them are now acting very acceptably as nurses and to their own pleasure and benefit, and four have done so well that they have been put on our pay roll.

Classes in sociology came from the neighboring colleges as in previous years for talks on the care and treatment of our patients and for an inspection of the various activities of the institution.

Several talks on subjects related to our specialty were given by the superintendent to welfare clubs in communities in our neighborhood.

For the fourth season, a class from the Smith College School for Social Work came two afternoons each week during August for a course of lectures and clinical demonstrations in psychiatry.

Perhaps the most noteworthy fact to be had from the figures

representing the movement of population is the steady increase in the number of patients to be cared for. Despite the large number (1,331) transferred to other institutions to relieve our overcrowding during the past fifteen years, the number remaining each year has far exceeded our capacity.

The Department of Mental Diseases estimates our capacity at about 820, which is considerably larger than our estimate. The numbers we have been requested to maintain during each of the past five years have been, consecutively, as follows: 980, 990, 1,000, 1,010, 1,025, and for the coming year we are asked to make estimates for the maintenance of 1,060 patients. As a result of this constantly increasing growth in numbers, we have been seriously handicapped in the care of our patients. We cannot transfer our most troublesome patients, consequently a larger proportion of those who remain are of the disturbed class. The wards where easily distracted patients are cared for should accommodate only a very limited number of patients, but now our wards are occupied by anywhere from 40 to 60 patients, and many of these are obliged to sleep in corridors and day spaces. Naturally and inevitably they have an unfavorable influence on each other.

Fortunately, we have had no epidemic nor many serious cases of illness during the year, yet the year has been an unusually busy one for our medical staff. We have broadened the field of our activities, as noted in our report of last year and as appears later in this report. This work, additional to the routine of caring for the large number of new admissions, which alone is sufficient to keep busy a full staff of physicians, has devolved upon a staff practically half the quota our number of patients calls for.

The medical work in one of our State hospitals is not to be measured so much by the total number of patients maintained as by the number of admissions and discharges. The patients who make up the permanent portion of our population require comparatively little medical attention beyond the supervision of their daily activities, their recreation and employment and the occasional recording of their status. It is the newly admitted patient who requires the special attention of physician, nurse and recording clerk. The physical and mental examinations, continuous observation and study, repeated dictations of

case histories, frequent interviews with relatives, the steady stream of correspondence concerning them, in addition to the thousand and one routine matters in the general work of the day, not to ignore the night calls, make up a course of duties that easily fills a sixteen-hour day.

With 225 new patients and as many old ones assigned to each of our assistant physicians, it is due them to say that they "have been on their job" every day of the year. We need more physicians but cannot find them. None are tempted to apply for the salary and accommodations offered.

Reference to the report of our social service and out-patient work will show that our assistant who has that special line of duties has likewise been busy.

The above observations are equally pertinent to our clerical staff which is swamped with the paper work made necessary by so many changes in our daily population. The steady flow of notices, tabulations, reports, record writing and correspondence fills all their time, and there is a seemingly endless increase in the multiplicity of reports requested, both State and Federal. The farm accounting alone has grown to such proportions as to require practically the full time of one clerk.

The out-patient and social service department has been more active than ever before. When it was organized, eleven years ago, one officer devoted only part time to the service. The work has increased and its scope has widened to such a degree that three persons are now required on full-time service, — a physician, a social worker and an assistant psychologist.

The work naturally falls into three divisions, — first, the clinics: to these come persons of their own initiative for advice, and others referred by physicians, courts and social agencies, for examinations; second, social work: this includes the supervision of patients on visit and in family care, the investigation of the previous history, home conditions and environment of patients recently admitted to the hospital, the care incident to preservation of their property and other interests, and also the welfare of the family at home; and third, the school clinic work: the examination of retarded school children.

The activities of the department are widespread and varied, requiring more time than needed by hospitals in more closely

populated districts because of the long distances to be traveled and the isolated districts to be visited.

The increasing request for our services is proof of the usefulness of this department and of its appreciation by the public.

Clinics have been held one day each week, in turn, at the House of Mercy in Pittsfield, at the Franklin County Hospital in Greenfield, and at the rooms of the boards of health in Springfield and North Adams. Consultations at our own hospital may be held on any day by appointment, and are of almost daily occurrence.

A total of 1,018 persons were seen at these clinics. Of these, 471 were patients away from the hospital on visit who came to report or for advice. Conferences are frequent with the family physician and the employer in these cases in order that they may be made fully acquainted with the patients' peculiarities. In this way supervision is kept over the physical and mental health of the patient, his occupation and manner of living. To these clinics also came relatives of 396 patients still resident at the hospital, to inquire about their condition and to send messages to them. Opportunity is thus afforded to prepare the family for an early return of the patient to his home through the suggestion of certain adjustments in his habits of living, of his surroundings and of carefully supervised employment. This service is much appreciated by the relatives, many of whom cannot afford the long journey to the hospital. Confidence in the hospital and a cordial feeling in the community toward its officers have been engendered, and the readjustment of the patient to life in the community is thereby made more easy.

One hundred and fifty-one persons came to the clinics because of mental or nervous symptoms, being referred by physicians, courts, relatives and charitable organizations, and, in some instances, by other patients who had been helped by us. In some of these cases treatment was outlined to be carried out by their own physician, while others were kept under our supervision by reporting regularly at the clinics.

In the school clinics were examined 734 retarded pupils some of whom were referred by superintendents of schools, and others were brought to the clinic by school nurses, social workers, State visitors and charitable organizations, making a total of

nearly 800 who were examined. Of these, 266 were found to be definitely feeble-minded and 149 to be retarded, — border-line cases. Quite a large number of the retarded pupils were not intellectually deficient, having fallen behind their school work from various causes, as defective sight or hearing, or from inability to attend school because of illness, or because of language difficulty in children of foreign birth.

The provisions of law requiring psychiatric examination of persons indicted for capital offences and those known to have been convicted previously of a felony have added to our labors to an appreciable degree, the superintendent and assistant superintendent having seen about a dozen cases, each case requiring, in travel and examination, a half day's time.

An extension of our extramural work has been undertaken that is worthy of recording here, — namely, the examination of defective delinquents at the juvenile court in Springfield. At the request of Judge Heady, one of our assistants has been devoting each Friday to the examination of delinquents brought before his court. Judge Heady has very kindly expressed his appreciation of this work in a letter to me from which I may quote, as follows: —

My probation officers and I have been for a long time deeply appreciative of the effective co-operation which we have received from you, and through you from some of your excellent staff of assistants, in the administration of the problem cases that continually arise in the great volume of cases that pass through our court.

During the latter part of the year 1922, the responsibility came to the court of administering the highly important law with reference to defective delinquents. With Dr. Edward Whitney, you have assisted the court in each case that has arisen under that procedure. No other assistance could have been so satisfactory to the court, under the double responsibility to prisoner and to community, entailed by that statute.

Most important of all has been your assistance in establishing the long-desired psychiatric clinic in connection with my juvenile court. Last summer Dr. Victor Anderson, long in psychiatric service with the Boston court, addressed a meeting, attended by doctors and social workers, in my juvenile court room, with reference to a psychiatric clinic in Springfield, especially in connection with the juvenile court.

When I appealed to you, you willingly provided the services of Dr. Harriet Whitney, who holds a psychiatric clinic at my court each Friday, the juvenile court day. Her work is of immeasurable value to the court and to the community.

By such a spirit of co-operation on your part, your hospital does a very great service to the district in which it is situated.

Work and play, of inestimable value in the treatment of mental cases, have been used liberally. Patients who are physically strong have been employed in every department of the institution and in all of our activities. To enumerate all of the latter would be to duplicate what has been written in previous reports.

For the convalescents and those needing distraction or encouragement, the occupational room has furnished various employments under trained workers, — basketry, needlework, rug making, weaving, painting, pottery and the like. In the industrial rooms are made articles of clothing, underwear and outside dresses, shirts and overalls, mattresses and tinware; furniture is repaired, chairs are cane-seated and boots and shoes are mended.

Seasonable sports have been held indoors and out of doors throughout the year. Each holiday has had its special festivities: Washington's birthday, a masquerade ball; St. Patrick's day, a fancy dress ball; Fourth of July, sports, contests and a parade; Hallowe'en, a party of games appropriate to the evening; Thanksgiving, a special dinner with a dance in the evening; Christmas, a turkey dinner and in the evening a concert and distribution of gifts from an illuminated tree. During Christmas week there was a full program, as follows: Sunday, religious services forenoon and afternoon; Monday, Christmas dinner and moving pictures in the evening; Tuesday afternoon, a Christmas party with games and "eats;" Wednesday evening, employees' dance; Thursday evening, patients' dance; Saturday evening, concert and reading.

There were during the year 199 assemblies of patients. In addition to those already mentioned were the following: Mass every Lord's day morning, and special Masses at Easter, Christmas and New Year's; religious services for Protestants every Lord's day; moving pictures 53 evenings; dances 26 evenings; a play by students from the Northampton High School, "Her Husband's Wife;" a minstrel show by members of the Northampton Methodist Church; and five concerts by Springfield musicians, one of them by 40 members. Credit is due to Mr. Burton Noble, who provided for these concerts and also made arrangements for frequent religious services by clergymen and singers from Springfield who generously gave their time and services.

The season was an unfavorable one for many of the farm crops. Though the total yield was about the same as last year, less in some crops, greater in others, it was, as a whole, below our expectations.

About 400 more bushels of potatoes than last year were raised, but even this was below our needs and less than the average crop of past years, though a greater acreage was planted. Fewer tons of hay were raised, but a greater yield of corn and of ensilage was had, and the amount of milk produced was larger than the year before though less than our needs. The present production of milk, however, leads to a reasonable expectation that enough will be produced soon to supply our full requirements, the average yield being about 9,000 pounds per cow. One cow had the splendid record of 22,000 pounds for the year, 730 pounds for one week and 111 pounds for one day. She has been admitted to the advanced registry class.

A new silo of 75 tons' capacity was erected to replace two old ones disused.

Extensive work has been done in the way of renewals of equipment and new installations, the principal items of which are recorded here for future reference.

The old line of 4-inch water pipe that was the main source of supply to the institution for domestic uses was replaced by larger pipe; 425 feet of 8-inch pipe, 320 feet of 6-inch pipe and 136 feet of 4-inch pipe were laid, and an additional 6-inch meter was installed. A connection for possible emergencies was made with the 12-inch water main that supplies the fire pumps. This replacement supplies the system for distribution, and increases the pressure on the passenger and food elevators.

A new standpipe for fire protection was erected in the stairway of the third halls, north.

A tunnel of concrete, 4 feet wide by 6 feet high for a distance of 165 feet, and 5½ feet high for a distance of 135 feet, inside measurements, was put in from the heater room just off the boiler room, extending under the foundations and basement floor of the storehouse to the end of the third halls, north, a distance of 300 feet. Through this tunnel were laid a 6-inch steam main, 3-inch steam return lines, water pipes and electric cables to afford a more direct supply to the third halls and Infirmary building.

A small tunnel of concrete, 3 feet by 3 feet inside measurements, was built from the third halls, south, to the fan room of the South Infirmary building, and through this were laid the electric cables and the steam pipes that supply the infirmary for women.

A steam pipe line was laid in a small concrete box from the south end of the home for female nurses, a distance of 446 feet, to the house at the gate occupied by the chief engineer and several married employees.

New electric lighting cables were laid from the engine room through the corridor between the kitchen and bakery to the basement of the administration building to take the place of the original wires laid underground across the back yard thirty years ago.

One of the most important and useful pieces of construction was a new service road several rods to the west of the old road leading from the entrance gate to the rear of the institution buildings. This is wider than the old one which was too narrow for the increased traffic of recent years, and being constructed on a stone foundation will be free from mud and passable on a rainy day.

The following new pieces of apparatus were installed: a feed pump for the boilers, a motor-driven pump for the circulation of hot water, and a brine circulating pump in the cold-storage apparatus room; a shaper in the machine shop; a garment press in the laundry, and a heat-controlling device in Greenhouse No. 2.

A bay window was constructed, enlarging the dining room for officers on the third floor of the administration building.

An air compressor and a portable tar kettle were purchased. These have already proven to be excellent investments in work done on the tunnels and excavation for pipe laying.

Window guards were purchased and placed on the nurses' homes.

Weather strips were placed in the windows of the administration building and of the dormitories for employees.

The tractor was exchanged for one of greater power.

Destruction by fire of our club house for men entailed a serious loss that is being sensed more and more since the patients were deprived of its various uses. Fire was discovered in the early morning hours on Nov. 10, 1922. At that time

the wing containing the bowling alley was not destroyed, but five days later, in the evening, a second fire completed its destruction. It has not been possible to learn the cause of either fire, but there had been no fire in the house on the day of the first one, it is learned, and at that time the wing was thoroughly wet down by streams of water from our hydrants and later by a rainfall. It was thoroughly inspected and examined repeatedly between the dates of the two fires. Many persons believe that they were of incendiary origin.

The club house was erected in 1907 by Mrs. L. D. James in memory of Mr. James, who for a period of twenty-four years was an active trustee of the hospital, deeply interested in its management and welfare, and especially friendly to the patients.

There were rooms for smoking, reading, billiard playing and bowling, and for fifteen years it was in continual use afternoon and evening, by both patients and attendants. It was a most useful adjunct to our hospital, probably contributing more to the enjoyment and contentment of our patients than any one other feature of our equipment.

It was not insured because of the policy of the State not to insure its buildings.

Because of its great usefulness and immeasurable benefit to the patients, and, furthermore, because it was a gift to the hospital which should be perpetuated, it is earnestly hoped that the Legislature will grant an appropriation to rebuild it.

The number of patients maintained by our hospital is steadily increasing despite the many who have been removed to hospitals in the eastern districts in order to make room for our new admissions, and the district served by us is sending us more than we can accommodate. There are at present more than 700 patients in other hospitals who went from here, making with those who are here a total of 1,750 in State institutions whose homes are in our part of the State. Twelve years ago we were told that as soon as the metropolitan district should be taken care of, in a year or two, provision would be made for the care of the insane of the four western counties, but provision at the other end of the State seems never to have caught up with their increasing admissions. If accommodations were provided for the care somewhere in our district of all patients whose homes are here, the rooms vacated in the eastern hospitals would be

available at once for an equal number of patients from their own districts.

Whether all the patients from the four western counties should be cared for at our hospital or under our supervision or in a separate institution under its own management is a matter to be considered seriously and determined by the Department of Mental Diseases. It is quite feasible, with our present heating, lighting, cooking and laundry facilities, to add two more buildings as dormitories, one to the end of the third hall section, north and south, respectively. We had plans made several years ago for such a building for female patients. I recommend your requesting of the Legislature an appropriation for the purpose of erecting at least one building this coming year.

If the hospital is to be enlarged as seems unavoidable, a larger quota of officers and employees will be needed and provision will have to be made for additional living accommodations and also for office room. Our accommodations are inadequate to house properly the employees here at the present time, and we should be seriously embarrassed if the quota of employees allowed us were filled.

Not infrequently an applicant for a position on our staff of subordinate officers refuses to accept it on learning what accommodations we can offer, and occasionally one leaves because of dissatisfaction with the living quarters allowed. Officers worth keeping in the service should be made comfortable in respect to their maintenance.

As for office room, four of our administrative force have to work in an office scarcely large enough for two; two get along in a room not large enough for one; two have desks in the dispensary, and the social worker and assistant psychologist do their work in the office of the assistant physicians. Not one can do his best under these conditions.

Adequate accommodations can be procured either by the erection of a separate office building, which does not seem to be very feasible, or by an addition to the present administration building. The latter proposition would provide both office room and additional living quarters for the subordinate officers.

Our experience has shown that married employees who can live with their families in a cottage near the institution remain longer in our service and with a greater measure of contentment.

We have nine cottages for employees. At three of these, accommodations for three more married couples can be made available at small expense.

A cottage surrounded on all sides by land belonging to the institution has been offered for sale. It is desirable that the hospital acquire this, both to increase our housing facilities for employees and to prevent its going into the possession of others.

We are grateful to many friends of the hospital for books, magazines and various gifts, especially at Christmas time. Several gave us money with which to purchase gifts for patients who had no relatives. Mrs. W. T. Parker, Mr. N. Lyman Elmer, Mr. John D. Foley, Mr. John Clancy and Mrs. L. Vernon Briggs made generous contributions of money. Mr. Peter Trebla sent a large contribution of candy and figs, and Tait Brothers again sent us enough ice cream to serve each patient here.

On Dec. 1, 1921, Dr. Orland R. Blair entered our service as junior assistant physician; on June 30, 1922, Miss Lucia Pratt began her duties as social worker, and on Sept. 11, 1922, Miss Miriam Carpenter returned as assistant psychologist to help in the examination of the retarded school children of our district.

Respectfully submitted,

JOHN A. HOUSTON,
Superintendent.

VALUATION.

Nov. 30, 1922.

REAL ESTATE.

Land (513 acres)	\$127,553 75
Buildings	903,822 77
	<hr/>
	\$1,031,376 52

PERSONAL PROPERTY.

Travel, transportation and office supplies	\$6,158 50
Food	14,883 48
Clothing and materials	18,404 51
Furnishings and household supplies	100,393 76
Medical and general care	1,790 82
Heat, light and power	7,703 65
Farm	47,760 70
Stable and garage	4,997 70
Repairs	24,283 64
	<hr/>
	\$226,376 76

SUMMARY.

Real estate	\$1,031,376 52
Personal property	226,376 76
	<hr/>
	\$1,257,753 28

TREASURER'S REPORT.

To the Department of Mental Diseases.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1922:—

CASH ACCOUNT.

Balance Dec. 1, 1921	\$9,630 89
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Receipts.

Income.

Board of inmates:

Private	\$48,476 39	
Reimbursements, insane	33,763 47	
		\$82,239 86

Personal services:

Reimbursement from Board of Retirement		53 53
--	--	-------

Sales:

Food	\$718 32	
Clothing and materials	68 82	
Furnishings and household supplies	35 30	
Farm:		
Cows and calves	\$85 50	
Hides	104 44	
Empty bags	35 01	
		224 95
Repairs, ordinary	1 87	
Arts and crafts sales	473 93	
		1,523 19

Miscellaneous:

Interest on bank balances	\$555 68	
Rent	833 00	
Interest on patients' funds	141 47	
Sundries	8 93	
		1,539 08

85,355 66

Receipts from Treasury of Commonwealth:

Maintenance appropriations:

Balance of 1921	\$12,769 87	
Advance money (amount on hand November 30)	29,000 00	
Approved schedules of 1922	290,284 31	
		332,054 18

Special appropriations:

Total	\$427,040 73
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Payments.

To treasury of Commonwealth:

Institution income	\$85,355 66	
Refunds account of maintenance	8 93	
	<hr/>	\$85,364 59

Maintenance appropriations:

Balance of schedules of previous year	\$22,400 76	
Approved schedules of 1922	\$290,284 31	
Less returned	8 93	
	<hr/>	290,275 38
November advances	18,152 13	
	<hr/>	330,828 27

Balance, Nov. 30, 1922:

In bank	\$10,452 53	
In office	395 34	
	<hr/>	10,847 87

Total		\$427,040 73
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MAINTENANCE.

Balance from previous year, brought forward	\$789 49
Appropriation, current year	333,050 00
	<hr/>
Total	\$333,839 49
Expenses (as analyzed below)	324,789 37
	<hr/>
Balance reverting to treasury of Commonwealth	\$9,050 12

Analysis of Expenses.

Personal services	\$139,824 35
Religious instruction	1,220 00
Travel, transportation and office expenses	5,818 39
Food	61,789 63
Clothing and materials	9,155 69
Furnishings and household supplies	26,378 95
Medical and general care	9,886 99
Heat, light and power	25,129 68
Farm	17,012 03
Garage, stable and grounds	3,199 93
Repairs, ordinary	11,932 26
Repairs and renewals	13,441 47
	<hr/>
Total expenses for maintenance	\$324,789 37

RESOURCES AND LIABILITIES.

Resources.

Cash on hand	\$10,847 87	
November cash vouchers (paid from advance money), account of maintenance	18,152 13	
	<hr/>	29,000 00
Due from treasury of Commonwealth from available appropriation account November, 1922, schedule	5,513 99	
	<hr/>	\$34,513 99

Liabilities.

Outstanding schedules of current year:

Schedule of November bills	\$34,513 99
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PER CAPITA.

During the year the average number of inmates has been 1,040.42.

Total cost for maintenance, \$423,789.37.

Equal to a weekly per capita cost of \$6.0033.

Receipt from sales, \$1,523.19.

Equal to a weekly per capita of \$0.0282.

All other institution receipts, \$83,832.47.

Equal to a weekly per capita of \$1.5495.

Net weekly per capita cost of \$4.4256.

Respectfully submitted,

EVA L. GRAVES,

Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

ALONZO B. COOK,

Auditor.

STATISTICAL TABLES

AS ADOPTED BY AMERICAN PSYCHIATRIC ASSOCIATION

PRESCRIBED BY MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

STATISTICAL TABLES.

TABLE 1. — *General Information.*

1. Date of opening as an institution for the insane: Aug. 16, 1858.

2. Type of institution: State.

3. Hospital plant:

Real estate, including buildings and betterments	\$1,031,376 52
Personal property	226,376 76
Total	\$1,257,753 28

Total acreage of hospital property, 513½.

Acreage under cultivation during year, 145.

4. Medical service:	Men.	Women.	Totals.
Superintendents	1	—	1
Assistant physicians	2	2	4
Dentist	1	—	1
Medical internes	—	—	—
Clinical assistants	—	—	—
Total	4	2	6

5. Employees:	Males.	Females.	Totals.
Graduate nurses	—	7	7
Other nurses and attendants	39	19	58
Social workers	—	1	1
All other employees	44	30	74
Total	83	57	140

6. Percentage of patients employed during	Men.	Women.	Totals.
year	69.25	64.60	66.93

TABLE 2. — *Financial Statement.*

See treasurer's report for data requested under this table.

TABLE 3. — *Movement of Patient Population for the Year ending Sept. 30, 1922.*

	INSANE.			OTHER CLASSES.						TOTAL ON BOOKS.		
	Males.	Females.	Totals.	SANE, VOLUN- TARY.			TEMPORARY CARE AND OBSERVATION, NOT COMMITTED.			Males.	Females.	Totals.
				Males.	Females.	Totals.	Males.	Females.	Totals.			
1. Patients on books of institution Sept. 30, 1921	569	609	1,178	—	1	1	1	1	2	570	611	1,181
Admissions during year:												
(a) First admissions	168	181	349	—	2	2	17	16	33	185	199	384
(b) Readmissions	20	45	65	—	—	—	1	2	3	21	47	68
Total admissions	188	226	414	—	2	2	18	18	36	206	246	452
(c) Transfers from other institutions for the insane	1	1	2	—	—	—	—	—	—	1	1	2
2. Total received during year	189	227	416	—	2	2	18	18	36	207	247	454
3. Total under treatment during year	758	836	1,594	—	3	3	19	19	38	777	858	1,635
Discharged from books during year:												
(a) As recovered	25	33	58	—	—	—	3	1	4	28	34	62
(b) As improved	32	39	71	—	—	—	5	5	10	37	44	81
(c) As unimproved	16	11	27	—	—	—	3	4	7	19	15	34
(d) As not insane	2	3	5	—	3	3	5	7	12	7	13	20
(e) Transferred to other institutions for the insane	1	22	23	—	—	—	1	2	3	2	22	24
(f) Died during year	64	58	122	—	—	—	1	2	3	65	60	125
4. Total discharged from books during year	149	166	306	—	3	3	18	19	37	138	188	346
5. Patients remaining on books of institution Sept. 30, 1922	618	670	1,288	—	—	—	1	—	1	619	670	1,289
<i>Supplementary Data.</i>												
6a. Average daily number of patients on books during year	589.305	630.174	1,219.479	—	.756	.756	.695	7.726	8.421	590.	638.656	1,228.656
6b. Average daily number of patients actually in institution during year	510.685	510.973	1,021.658	—	.756	.756	.660	7.726	8.386	511.345	519.455	1,030.8
7a. Average daily number of patients in family care	—	8.99	8.99	—	—	—	—	—	—	8.99	8.99	8.99
7b. Average daily number of patients on visit and escape	78.620	110.211	188.831	—	—	—	.035	—	.035	78.655	110.211	188.866

TABLE 3. — *Movement of Patient Population for the Year ending Sept. 30, 1922* — Concluded.

	INSANE.			OTHER CLASSES.				TOTAL ON BOOKS.				
	Males.	Females.	Totals.	SANE, VOLUN- TARY.		TEMPORARY CARE AND OBSERVATION, NOT COMMITTED.		Males.	Females.	Totals.		
				Males.	Females.	Totals.	Males.				Females.	Totals.
<i>Supplementary Data — Con.</i>												
8. Number of voluntary patients admitted within the year . . .	6	4	10					6	6	12		
9. Number of temporary-care cases admitted within the year . . .	72	101	173					90	119	209		
10. Number of patients actually remaining in institution Sept. 30, 1922 . . .	522	528	1,050					523	528	1,051		
State . . .	493	429	922					493	429	922		
Reimbursing . . .												
Private . . .	29	99	128					30	99	129		
11. Number of patients in family care Sept. 30, 1922 . . .		9	9						9	9		
State . . .		7	7						7	7		
Private . . .		2	2						2	2		
Self-supporting . . .												
Number of different persons within the year . . .	759	832	1,591					778	854	1,632		
12. Number of different persons admitted from the community . . .	190	227	417					208	247	455		
13. Number of different persons dismissed, exclusive of transfers . . .	139	144	283					156	166	322		
14. Number of different persons dismissed, exclusive of transfers . . .												
15. Number of non-insane patients or inmates in institution at end of institution year . . .								Males.	Females.	Totals.		
(h) Persons given advice or treatment in out-patient department during year . . .								436	527	963		

TABLE 4. — *Nativity of First Admissions and of Parents of First Admissions.*

NATIVITY.	PATIENTS.			PARENTS OF MALE PATIENTS.			PARENTS OF FEMALE PATIENTS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
United States	99	102	201	55	58	113	67	69	136
Australia	1	-	1	-	-	-	-	-	-
Austria	7	-	7	7	7	14	-	1	1
Belgium	1	-	1	1	1	2	-	-	-
Bohemia	1	-	1	2	2	4	-	-	-
Canada	5	16	21	14	13	27	20	23	43
China	1	-	1	1	1	2	-	-	-
Czecho-Slovakia	1	-	1	1	1	2	-	-	-
England	6	6	12	9	9	18	9	5	14
Finland	-	-	-	-	-	-	1	1	2
France	1	1	2	1	1	2	1	1	2
Germany	3	5	8	10	9	19	10	8	18
Greece	4	2	6	4	4	8	2	2	4
Hungary	1	1	2	1	1	2	1	1	2
Ireland	14	21	35	33	35	68	39	39	78
Italy	5	8	13	6	6	12	9	9	18
Poland	10	6	16	10	10	20	6	6	12
Russia	4	7	11	5	5	10	7	7	14
Scotland	1	2	3	1	-	1	4	2	6
Sweden	1	3	4	1	1	2	3	3	6
Switzerland	1	1	2	1	1	2	1	2	3
Turkey in Asia	1	-	1	1	1	2	-	-	-
Wales	-	-	-	-	-	-	1	1	2
Total foreign born	69	79	148	109	108	217	114	111	225
Unascertained	-	-	-	4	2	6	-	1	1
Grand total	168	181	349	168	168	336	181	181	362

TABLE 5. — *Citizenship of First Admissions.*

	Males.	Females.	Totals.
Citizens by birth	99	102	201
Citizens by naturalization	31	42	73
Aliens	38	36	74
Citizenship unascertained	-	1	1
Total	168	181	349

TABLE 6. — *Psychoses of First Admissions.*

PSYCHOSES.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	-	-	-	-	-	-
2. Senile, total	10	15	25			
(a) Simple deterioration	7	4	11			
(b) Presbyophrenic type	1	2	3			
(c) Delirious and confused states	1	1	2			
(d) Depressed and agitated states	1	4	5			
(e) Paranoid types	-	4	4			
3. With cerebral arteriosclerosis	14	10	24			
4. General paralysis	11	4	15			
5. With cerebral syphilis	2	4	6			
6. With Huntington's chorea	2	-	2			
7. With brain tumor	-	1	1			
8. With other brain and nervous diseases, total	-	4	4			
Brain abscess	-	1	1			
Encephalitis lethargica	-	1	1			
Tabes dorsalis	-	1	1			
Undiagnosed	-	1	1			
9. Alcoholic, total	32	3	35			
(c) Korsakow's psychosis	4	1	5			
(d) Acute hallucinosis	16	2	18			
(e) Chronic hallucinosis	5	-	5			
(f) Acute paranoid type	1	-	1			
(g) Chronic paranoid type	6	-	6			
10. Due to drugs and other exogenous toxins, total	1	2	3			
(1) With cocaine and heroin	1	-	1			
(2) With bromides, hyosine and luminol	-	2	2			
11. With pellagra	-	2	2			
12. With other somatic diseases, total	3	17	20			
(a) Delirium with influenza	-	3	3			
(b) Post-influenzal psychosis	-	1	1			
(c) Exhaustion delirium	-	2	2			
(d) Delirium of unknown origin	-	3	3			
(e) Cardiorenal diseases	3	4	7			
(f) (1) Thyroid and ovarian deficiency	-	2	2			
(2) Ovarian and pituitary deficiency	-	1	1			
(3) Exophthalmic goiter	-	1	1			
13. Manic-depressive, total	16	33	49			
(a) Manic type	5	8	13			
(b) Depressed type	8	13	21			
(c) Stuporous type	-	2	2			
(d) Mixed type	1	6	7			
(e) Circular type	2	4	6			
14. Involution melancholia	3	5	8			
15. Dementia præcox, total	51	63	114			
(a) Paranoid type	9	30	39			
(b) Catatonic type	22	19	41			
(c) Hebephrenic type	17	9	26			
(d) Simple	3	5	8			
16. Paranoia and paranoic conditions	-	-	-			
17. Epileptic, total	-	1	1			
(a) Epileptic deterioration	-	1	1			
18. Psychoneuroses and neuroses, total	1	5	6			
(a) Hysterical type	-	2	2			
(b) Psychasthenic type	1	2	3			
(c) Neurasthenic type	-	1	1			
19. With psychopathic personality	2	-	2			
20. With mental deficiency	9	3	12			
21. Undiagnosed	4	7	11			
22. Without psychosis, total	7	2	9			
(d) Psychopathic personality without psychosis	1	1	2			
(e) Mental deficiency without psychosis	4	1	5			
(f) Old age without psychosis	1	-	1			
(g) No mental abnormality	1	-	1			
Total	168	181	349			

TABLE 7. — *Race of First Admissions classified with Reference to Psychoses.*

RACE.	TOTAL.			PSYCHOSES.						WITH CEREBRAL SYPHILIS.			WITH HUNTINGTON'S CHOREA.			WITH BRAIN TUMOR.		
	Males.	Females.	Totals.	SENILE.			WITH CEREBRAL ARTERIO- SCLEROSIS.			GENERAL PARALYSIS.			Males.			Males.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
African	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Chinese	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dutch and Flemish:																		
Walloon	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	9	10	19	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
French	12	16	28	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2
German	10	11	21	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2
Greek	4	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	2	6	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Irish	35	39	74	2	3	5	5	3	8	6	6	12	1	1	2	1	1	2
Italian	6	9	15	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-
Lithuanian	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magyar	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian	3	4	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scotch	3	4	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic	22	7	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syrian	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Welsh	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	56	69	125	6	5	11	7	5	12	3	4	7	1	1	2	1	1	2
Total	188	181	369	10	15	25	15	10	25	10	4	14	2	4	6	2	1	3

TABLE 8. — Age of First Admissions classified with Reference to Principal Psychoses.

PSYCHOSES.	TOTAL.			YEARS.																				
				UNDER 15.			15-19.			20-24.			25-29.			30-34.			35-39.			40-44.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	10	15	25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	15	10	25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. General paralysis	10	4	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. With cerebral syphilis	2	4	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	4	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic	32	3	35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	3	17	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive	16	33	49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14. Involution melancholia	3	5	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15. Dementia præcox	51	63	114	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16. Paranoia and paranoic conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	9	3	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed	4	7	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	7	2	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	168	181	349	—	2	2	8	4	12	13	14	27	12	15	27	23	21	44	19	20	39	17	23	40

TABLE 9. — Degree of Education of First Admissions classified with Reference to Psychoses.

PSYCHOSES.	TOTAL.			ILLITERATE.			READS AND WRITES.			COMMON SCHOOL.			HIGH SCHOOL.			COLLEGE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	10	15	25	1	2	3	4	4	8	4	9	13	1	1	2	1	1	2	1	1	2
2. Senile	15	10	25	1	2	3	6	5	11	9	5	14	1	1	2	1	1	2	1	1	2
3. With cerebral arteriosclerosis	10	4	14	1	1	2	1	2	3	7	3	10	2	1	3	1	1	2	1	1	2
4. General paralysis	2	4	6	1	1	2	1	2	3	2	2	4	1	1	2	1	1	2	1	1	2
5. With cerebral syphilis	2	1	3	1	1	2	1	1	2	2	2	4	1	1	2	1	1	2	1	1	2
6. With Huntington's chorea	1	1	2	1	1	2	1	1	2	2	2	4	1	1	2	1	1	2	1	1	2
7. With brain tumor	1	4	5	1	1	2	1	2	3	2	2	4	1	1	2	1	1	2	1	1	2
8. With other brain or nervous diseases	32	3	35	4	1	5	14	2	16	10	11	21	3	1	4	1	1	2	1	1	2
9. Alcoholic	1	2	3	1	1	2	1	1	2	1	2	3	1	1	2	1	1	2	1	1	2
10. Due to drugs and other exogenous toxins	3	17	20	1	1	2	1	1	2	2	7	9	1	1	2	1	1	2	1	1	2
11. With pellagra	16	33	49	1	3	4	4	9	13	8	15	23	3	6	9	1	1	2	1	1	2
12. With other somatic diseases	3	5	8	1	1	2	1	1	2	3	4	7	1	1	2	1	1	2	1	1	2
13. Manic-depressive	51	63	114	5	6	11	9	9	18	25	38	63	11	9	20	1	1	2	1	1	2
14. Involution melancholia	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
15. Dementia precox	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
16. Paranoia and paranoic conditions	1	5	6	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
17. Epileptic	2	3	5	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
18. Psychoneuroses	9	9	18	1	1	2	2	1	3	3	3	6	1	1	2	1	1	2	1	1	2
19. With psychopathic personality	4	7	11	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
20. With mental deficiency	7	2	9	1	1	2	1	1	2	2	1	3	1	1	2	1	1	2	1	1	2
21. Undiagnosed	168	181	349	16	14	30	44	39	83	81	101	182	24	25	49	3	2	5	1	1	2
22. Without psychosis	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Total	168	181	349	16	14	30	44	39	83	81	101	182	24	25	49	3	2	5	1	1	2

TABLE 10. — *Environment of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			URBAN.			RURAL.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	-	-	-	-	-	-	-	-	-
2. Senile	10	15	25	5	10	15	5	5	10
3. With cerebral arteriosclerosis	15	10	25	5	6	11	10	4	14
4. General paralysis	10	4	14	8	3	11	2	1	3
5. With cerebral syphilis	2	4	6	2	2	4	-	2	2
6. With Huntington's chorea	2	-	2	1	-	1	1	-	1
7. With brain tumor	-	1	1	-	1	1	-	-	-
8. With other brain or nervous diseases .	-	4	4	-	4	4	-	-	-
9. Alcoholic	32	3	35	18	2	20	14	1	15
10. Due to drugs and other exogenous toxins	1	2	3	-	1	1	1	1	2
11. With pellagra	-	2	2	-	1	1	-	1	1
12. With other somatic diseases	3	17	20	3	10	13	-	7	7
13. Manic depressive	16	33	49	12	20	32	4	13	17
14. Involution melancholia	3	5	8	1	2	3	2	3	5
15. Dementia præcox	51	63	114	35	43	78	16	20	36
16. Paranoia and paranoid conditions . .	-	-	-	-	-	-	-	-	-
17. Epileptic	-	1	1	-	1	1	-	-	-
18. Psychoneuroses	1	5	6	-	4	4	1	1	2
19. With psychopathic personality . . .	2	-	2	2	-	2	-	-	-
20. With mental deficiency	9	3	12	6	2	8	3	1	4
21. Undiagnosed	4	7	11	2	4	6	2	3	5
22. Without psychosis	7	2	9	4	1	5	3	1	4
Total	168	181	349	104	117	221	64	64	128

TABLE 11. — *Economic Condition of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			DEPENDENT.			MARGINAL.			COMFORTABLE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	10	15	25	—	—	—	10	11	21	—	—	—	—	—	—
3. With cerebral arteriosclerosis	15	10	25	1	—	1	12	8	20	—	—	—	—	—	—
4. General paralysis	10	4	14	—	—	—	8	3	11	2	2	4	—	—	—
5. With cerebral syphilis	2	4	6	—	2	2	2	2	4	2	1	3	—	—	—
6. With Huntington's chorea	2	—	2	—	—	—	2	—	2	—	—	—	—	—	—
7. With brain tumor	—	1	1	—	—	—	2	1	3	—	—	—	—	—	—
8. With other brain or nervous diseases	4	4	8	—	1	1	—	2	2	2	1	3	—	—	—
9. Alcoholic	32	3	35	—	—	—	30	3	33	2	—	2	—	—	—
10. Due to drugs and other exogenous toxins	1	2	3	—	—	—	1	1	2	—	—	—	—	—	—
11. With pellagra	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	3	17	20	—	—	—	—	11	13	—	—	7	—	—	—
13. Manic-depressive	16	33	49	—	—	—	12	28	40	4	6	10	—	—	—
14. Involution melancholia	3	5	8	—	—	—	3	4	7	1	1	2	—	—	—
15. Dementia precox	51	63	114	2	3	5	43	51	94	6	9	15	—	—	—
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses	—	5	5	—	—	—	—	1	6	—	—	—	—	—	—
19. With psychopathic personality	2	2	4	—	—	—	2	2	4	—	—	—	—	—	—
20. With mental deficiency	9	3	12	—	1	1	8	2	10	—	—	—	—	—	—
21. Undiagnosed	4	7	11	1	1	2	2	5	7	1	1	2	—	—	—
22. Without psychosis	7	2	9	—	—	—	7	2	9	—	—	—	—	—	—
Total	168	181	349	4	12	16	145	141	286	19	28	47	—	—	—

TABLE 12. — *Use of Alcohol by First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			ABSTINENT.			TEMPERATE.			INTERTEMPERATE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	10	15	25	1	14	15	3	1	4	2	1	3	1	1	2
2. Senile	16	10	25	8	9	17	4	1	5	2	2	4	1	1	2
3. Cerebral arteriosclerosis	10	4	14	1	2	3	6	1	7	3	1	4	1	1	2
4. General paralysis	2	4	6	2	2	4	1	1	2	1	1	2	1	1	2
5. With cerebral syphilis	2	2	4	2	1	3	1	1	2	1	1	2	1	1	2
6. With Huntington's chorea	2	1	3	2	1	3	1	1	2	1	1	2	1	1	2
7. With brain tumor	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
8. With other brain or nervous diseases	1	4	5	1	3	4	1	1	2	1	1	2	1	1	2
9. Alcoholic	32	3	35	1	2	3	1	1	2	32	3	35	1	1	2
10. Due to drugs and other exogenous toxins	1	2	3	1	2	3	1	1	2	1	1	2	1	1	2
11. With pellagra	3	2	5	1	2	3	3	3	6	1	1	2	1	1	2
12. With other somatic diseases	16	17	33	7	14	21	3	3	6	1	1	2	1	1	2
13. Manic-depressive	3	33	36	26	29	55	20	4	24	4	2	6	1	2	3
14. Involution melancholia	51	63	114	26	56	82	20	3	23	4	2	6	1	2	3
15. Dementia præcox	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
16. Paranoia and paranoid conditions	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
17. Epileptic	1	5	6	1	5	6	1	1	2	1	1	2	1	1	2
18. Psychoneuroses	2	1	3	1	1	2	1	1	2	1	1	2	1	1	2
19. With psychopathic personality	9	3	12	4	3	7	4	2	6	1	1	2	1	1	2
20. With mental deficiency	7	7	14	4	4	8	2	2	4	1	1	2	1	1	2
21. Undiagnosed	7	2	9	4	2	6	2	2	4	1	1	2	1	1	2
22. Without psychosis	168	181	349	59	153	212	56	16	72	48	5	53	5	7	12
Total	168	181	349	59	153	212	56	16	72	48	5	53	5	7	12

TABLE 13. — *Marital Condition of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			SINGLE.			MARRIED.			WIDOWED.			SEPARATED.			DIVORCED.		UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.
1. Traumatic	10	15	25	2	4	6	6	3	9	2	10	12	—	—	—	—	—	—	—	—
2. Senile	15	10	25	4	2	6	5	3	8	6	5	11	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	10	4	14	3	1	4	4	2	6	3	3	6	—	—	—	—	—	—	—	—
4. General paralysis	2	4	6	—	—	—	1	2	3	1	2	3	—	—	—	—	1	1	—	—
5. With cerebral syphilis	2	1	3	1	—	1	1	1	2	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	4	4	—	—	—	—	3	3	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	4	4	—	—	—	17	3	20	3	—	3	—	—	—	—	—	—	—	—
9. Alcoholic	32	3	35	12	—	12	1	1	2	—	—	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	1	2	3	—	—	—	3	7	10	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	2	2	—	1	1	1	1	2	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	3	17	20	—	7	7	3	7	10	—	—	3	—	—	—	—	—	—	—	—
13. Manic-depressive	16	33	49	3	9	12	12	23	35	1	2	3	—	—	—	—	—	—	—	—
14. Involution melancholia	3	5	8	—	—	—	1	3	4	2	1	3	1	1	2	1	1	1	—	—
15. Dementia precox	51	63	114	34	29	63	16	28	44	1	3	4	2	2	2	1	1	1	—	—
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses	1	5	6	—	1	1	—	2	3	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	2	2	4	1	—	1	1	1	2	—	—	1	—	—	—	—	—	—	—	—
20. With mental deficiency	9	3	12	8	3	11	1	—	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed	4	7	11	2	2	4	2	3	5	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	7	2	9	5	2	7	1	—	—	1	—	1	—	—	—	—	—	—	—	—
Total	168	181	349	75	53	133	73	86	159	20	29	49	—	5	5	—	3	3	—	—

TABLE 14. — *Psychoses of Readmissions.*

PSYCHOSES.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic . . . . .	.	.	.	-	-	-
2. Senile, total . . . . .	.	.	.	1	-	1
(c) Delirious and confused state	1	-	1			
3. With cerebral arteriosclerosis . . . . .	.	.	.	1	1	2
4. General paralysis . . . . .	.	.	.	2	1	3
5. With cerebral syphilis . . . . .	.	.	.	-	1	1
6. With Huntington's chorea . . . . .	.	.	.	-	-	-
7. With brain tumor . . . . .	.	.	.	-	-	-
8. With other brain or nervous diseases . . . . .	.	.	.	-	-	-
9. Alcoholic, total . . . . .	.	.	.	2	-	2
(d) Acute hallucinosis	2	-	2			
10. Due to drugs and other exogenous toxins . . . . .	.	.	.	-	-	-
11. With pellagra . . . . .	.	.	.	-	1	1
12. With other somatic diseases . . . . .	.	.	.	-	-	-
13. Manic-depressive, total . . . . .	.	.	.	6	18	24
(a) Manic type	4	10	14			
(b) Depressed type	2	4	6			
(c) Stuporous type	-	1	1			
(d) Mixed type	-	1	1			
(e) Circular type	-	2	2			
14. Involution melancholia . . . . .	.	.	.	-	1	1
15. Dementia præcox, total . . . . .	.	.	.	7	18	25
(a) Paranoid type	2	9	11			
(b) Catatonic type	1	4	5			
(c) Hebephrenic type	4	3	7			
(d) Simple	-	2	2			
16. Paranoia and paranoic conditions . . . . .	.	.	.	-	-	-
17. Epileptic . . . . .	.	.	.	-	-	-
18. Psychoneuroses and neuroses, total . . . . .	.	.	.	-	1	1
(c) Neurasthenic type	-	1	1			
19. With psychopathic personality . . . . .	.	.	.	-	-	-
20. With mental deficiency . . . . .	.	.	.	-	-	-
21. Undiagnosed . . . . .	.	.	.	1	2	3
22. Without psychosis, total . . . . .	.	.	.	-	1	1
(e) Mental deficiency without psychosis	-	1	1			
Total . . . . .	.	.	.	20	45	65

TABLE 15.—Discharge of Patients classified with Reference to Principal Psychoses and Condition on Discharge.

Psychoses.	TOTAL.			RECOVERED.			IMPROVED.			UNIMPROVED.			NOT INSANE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	2	4	6	—	—	—	—	—	—	—	—	—	—	—	—
4. General paralysis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. With cerebral syphilis	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic	15	1	16	8	—	8	5	1	6	2	—	2	—	—	—
10. Due to drugs and other exogenous toxins	—	2	2	—	2	2	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	—	8	8	—	7	7	—	1	1	—	—	—	—	—	—
13. Manic-depressive	21	26	47	17	20	37	3	4	7	1	2	3	—	—	—
14. Involution melancholia	1	4	5	—	3	3	—	1	2	—	—	—	—	—	—
15. Dementia precox	26	28	54	—	—	—	18	22	40	8	6	14	—	—	—
16. Paranoia and paranoic conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses	1	3	4	—	1	1	1	2	3	—	—	—	—	—	—
19. With psychopathic personality	2	3	5	—	—	—	2	3	5	—	—	—	—	—	—
20. With mental deficiency	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	2	3	5	—	—	—	—	—	—	—	—	—	2	3	5
Total	75	86	161	25	33	58	32	39	71	16	11	27	2	3	5

TABLE 16. — *Causes of Death of Patients classified with Reference to Principal Psychoses.*

CAUSE OF DEATH.	TOTAL.			PSYCHOSES.																				
	Males.	Females.	Totals.	SENILE.			WITH CEREBRAL ARTERIO-SCLEROSIS.			GENERAL PARALYSIS.			WITH CEREBRAL SYPHILIS.			WITH HUNTINGTON'S CHOREA.			ALCOHOLIC.			WITH PELLAGRA.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
<i>General Diseases.</i>																								
Abscess of neck	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Carcinoma of intestines	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Carcinoma of stomach	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Carcinoma of uterus	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Cholecystitis, acute	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Epithelioma of nose	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Erysipelas of face	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
General septicæmia	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Pellagra	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Pernicious anæmia	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Rheumatism, acute articular	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Sudden death due to natural causes ¹	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Tuberculosis, pulmonary	—	4	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
<i>Nervous System.</i>																								
Cerebral hemorrhage	21	11	32	8	2	10	10	5	15	—	—	—	1	1	2	—	—	—	2	—	2	—	—	
Convulsions due to alcoholism	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	
General paralysis of the insane	10	6	16	—	—	—	—	—	—	10	6	16	—	—	—	—	—	—	1	—	1	—	—	
<i>Respiratory System.</i>																								
Broncho pneumonia	—	3	3	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	1	—	—	—	
Lobar pneumonia	5	3	8	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

¹ From coroner's certificate.

TABLE 16. — *Causes of Death of Patients classified with Reference to Principal Psychoses — Continued.*

CAUSE OF DEATH.	TOTAL.			PSYCHOSES.												WITH PELLAGRA.									
	Males.	Females.	Totals.	SENILE.			WITH CEREBRAL ARTERIO- SCLEROSIS.			GENERAL PARALYSIS.			WITH CEREBRAL SYPHILIS.						WITH HUNTINGTON'S CHOREA.			ALCOHOLIC.			
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.				
<i>Circulatory System.</i>																									
Cerebral embolus	2	2	4	1	-	1	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cerebral thrombosis	1	3	4	-	-	-	1	2	3	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-
Endocarditis, chronic	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malignant lymphosarcoma	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Myocarditis, acute	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Myocarditis, chronic	9	2	11	2	2	4	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Digestive System.</i>																									
Diarrhea and enteritis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Duodenal ulcer (ruptured)	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gastric ulcer (ruptured)	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Genito-urinary System.</i>																									
Nephritis, chronic interstitial	4	2	6	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis, chronic parenchymatous	4	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Skin.</i>																									
Gangrene of foot	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
Total	64	58	122	13	6	19	16	10	26	10	6	16	-	3	3	2	-	2	4	2	6	-	2	2	2

TABLE 16. — *Causes of Death of Patients classified with Reference to Principal Psychoses* — Continued.

CAUSE OF DEATH.	PSYCHOSES.														
	WITH OTHER SOMATIC DISEASES.			MANIC-DEPRESSIVE.			INVOLUTION MELANCHOLIA.			DEMENTIA PRÆCOX.			PSYCHO-NEUROSES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
<i>General Diseases.</i>															
Abscess of neck	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Carcinoma of intestines	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Carcinoma of stomach	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Carcinoma of uterus	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Cholecystitis, acute	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Epithelioma of nose	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Erysipelas of face	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
General septicæmia	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Pellagra	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Pernicious anæmia	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Rheumatism, acute articular	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Sudden death due to natural causes ¹	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Tuberculosis, pulmonary	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
<i>Nervous System.</i>															
Cerebral hemorrhage	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Convulsions due to alcoholism	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
General paralysis of the insane	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
<i>Respiratory System.</i>															
Broncho pneumonia	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Lobar pneumonia	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2

¹ From coroner's certificate.

TABLE 18. — *Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses.*

PSYCHOSES.	TOTAL.			MONTHS.											
	Males.	Females.	Totals.	LESS THAN 1.			1-3.			4-7.			8-12.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	13	6	19	2	1	3	4	1	5	3	1	4	1	1	2
2. Senile	16	10	26	3	1	4	4	2	6	2	1	3	2	1	3
3. With cerebral arteriosclerosis	10	6	16	2	2	4	2	1	3	2	1	3	2	1	3
4. General paralysis	2	3	5	1	2	3	1	1	2	1	1	2	1	1	2
5. With cerebral syphilis	2	2	4	1	1	2	1	1	2	1	1	2	1	1	2
6. With Huntington's chorea	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
7. With brain tumor	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
8. With other brain or nervous diseases	4	2	6	1	1	2	1	1	2	1	1	2	1	1	2
9. Alcoholic	3	3	6	3	4	7	3	3	6	3	3	6	3	3	6
10. Due to drugs and other exogenous toxins	3	8	11	3	4	7	3	3	6	3	3	6	3	3	6
11. With pellagra	2	3	5	1	1	2	1	1	2	1	1	2	1	1	2
12. With other somatic diseases	2	5	7	1	2	3	1	1	2	1	1	2	1	1	2
13. Manic-depressive	2	5	7	1	2	3	1	1	2	1	1	2	1	1	2
14. Involution melancholia	10	20	30	1	2	3	1	1	2	1	1	2	1	1	2
15. Dementia praecox	10	20	30	1	2	3	1	1	2	1	1	2	1	1	2
16. Paranoia and paranoic conditions	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
17. Epileptic	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
18. Psychoneuroses	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
19. With psychopathic personality	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
20. With mental deficiency	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
21. Undiagnosed	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
22. Without psychosis	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Total	64	58	122	12	13	25	12	8	20	5	5	10	7	2	9

TABLE 18. — *Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses — Concluded.*

PSYCHOSES.	YEARS.											
	1-2.			3-4.			5-10.			10-15.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic	1	2	3	1	2	3	1	1	2	1	1	2
2. Senile	5	2	7	2	1	3	1	1	2	1	1	2
3. With cerebral arteriosclerosis	2	4	6	2	1	3	1	1	2	1	1	2
4. General paralysis	2	4	6	2	1	3	1	1	2	1	1	2
5. With cerebral syphilis	2	4	6	2	1	3	1	1	2	1	1	2
6. With Huntington's chorea	2	4	6	2	1	3	1	1	2	1	1	2
7. With brain tumor	2	4	6	2	1	3	1	1	2	1	1	2
8. With other brain or nervous diseases	2	4	6	2	1	3	1	1	2	1	1	2
9. Alcoholic	1	1	2	1	1	2	2	2	4	1	1	2
10. Due to drugs and other exogenous toxins	1	1	2	1	1	2	2	2	4	1	1	2
11. With pellagra	1	1	2	1	1	2	2	2	4	1	1	2
12. With other somatic diseases	1	1	2	1	1	2	2	2	4	1	1	2
13. Manic-depressive	2	2	4	2	2	4	2	2	4	2	2	4
14. Involution melancholia	2	2	4	2	2	4	2	2	4	2	2	4
15. Dementia præcox	2	2	4	2	2	4	2	2	4	2	2	4
16. Paranoia and paranoid conditions	2	2	4	2	2	4	2	2	4	2	2	4
17. Epileptic	2	2	4	2	2	4	2	2	4	2	2	4
18. Psychoneuroses	2	2	4	2	2	4	2	2	4	2	2	4
19. With psychopathic personality	2	2	4	2	2	4	2	2	4	2	2	4
20. With mental deficiency	1	1	2	1	1	2	1	1	2	1	1	2
21. Undiagnosed	1	1	2	1	1	2	1	1	2	1	1	2
22. Without psychosis	1	1	2	1	1	2	1	1	2	1	1	2
Total	10	12	22	6	6	12	4	4	8	2	3	5

Total

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TABLE 19. — *Family-care Department.*

	Males.	Females.	Totals.
Remaining Oct. 1, 1921	-	10	10
Committed within the year	-	2	2
Whole number of cases within the year	-	12	12
Dismissed within the year	-	3	3
Returned to institution	-	3	3
Discharged	-	-	-
Died	-	-	-
Escaped	-	-	-
Remaining Sept. 30, 1922	-	9	9
Supported by State	-	7	7
Private	-	2	2
Self-supporting	-	-	-
Number of different persons within the year	-	10	10
Number of different persons admitted	-	2	2
Number of different persons dismissed	-	3	3
Daily average number	-	8.99	8.99
State	-	7.155	7.155
Private	-	1.835	1.835
Self-supporting	-	-	-

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The Commonwealth of Massachusetts

ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1923

DEPARTMENT OF MENTAL DISEASES

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Mrs. EMILY N. NEWTON, Holyoke
Miss CAROLINE A. YALE, Northampton
LUKE CORCORAN, M.D., *Chairman*, Springfield
Mr. CHARLES W. KING, Chicopee Falls

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D., *Superintendent*
EDWARD A. WHITNEY, M.D., *Assistant Superintendent*
ANGELA BOBER, M.D., *Senior Assistant Physician*
ELIZABETH THOMAS, M.D., *Assistant Physician*
—— — *Assistant Physician*
—— — *Assistant Physician*
HARRIET W. WHITNEY, M.D., *Physician to Out-patient and Social Service Departments*
LUCIEN H. HARRIS, D.D.S., *Dentist*

NONRESIDENT OFFICERS.

Miss EVA L. GRAVES, *Chief Clerk and Treasurer (office at the hospital)*

HEADS OF DEPARTMENTS.

Mr. L. W. SINCLAIR, *Engineer*
Mr. FRANK W. SMITH, *Steward*
Mr. JOHN DANIEL, *Farmer*
Miss S. E. WARREN, *Matron*
Miss LUCIA PRATT, *Social Service Worker*
—— — *Director of Occupational Therapy*

CONSULTING BOARD OF PHYSICIANS AND SURGEONS.

E. A. BATES, M.D., Springfield
E. W. BROWN, M.D., Northampton
W. J. COLLINS, M.D., Northampton
D. E. HARRIMAN, M.D., Springfield
R. H. SEELYE, M.D., Springfield
H. T. SHORES, M.D., Northampton

The Commonwealth of Massachusetts

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital present herewith their annual report for 1923.

An appropriation of \$379,460.61 was made by the Legislature for the maintenance of 1,060 patients. The daily average number of patients actually maintained was 1,052 but at times the daily population was much larger than this number; for the four months at the end of the year there was a daily average of 1,075 and the year closed with 1,096 patients in our care.

The high cost of supplies made necessary the most rigid economy. We were enabled to turn back into the State Treasury the sum of \$36,359.82, but this saving was in large part due to a great shortage of employees throughout the year with a consequent expenditure for salaries and wages of a smaller amount than was appropriated for that purpose.

The amount appropriated for food has for several years been insufficient for our needs. Nothing contributes to the comfort and promotes recovery of the patients so much as a satisfactory diet, and no one thing causes so much dissatisfaction among the employees as a limited dietary. Their food is as much a part of their wages as what they receive in the pay envelope. We base our estimates on the ration allowed per person, the number of persons supported and the estimated cost of food supplies. These are fully considered by us and by the Department in making the budget. It is discouraging to have our estimates arbitrarily reduced beyond what we must expend.

A special appropriation of \$100,000.00 was made by the Legislature of 1923 for the erection of a building to care for female patients of a disturbed type. None of the bids for the construction of the building were low enough for it to be built within the amount appropriated. Revision of the plans with further consideration of cost of materials and study of the bids submitted have shown that an additional sum of \$40,500.00 will be required. Our Board consequently requests an appropriation of this amount. When the appropriation for this purpose was made the Legislature approved of the construction of a similar building for male patients to be undertaken this present year with the understanding that the Legislature of 1924 would make the necessary appropriation. The need of this second building is great. We therefore request an appropriation of \$140,500.00 for this purpose.

An appropriation for land and buildings thereon was made contingent upon an agreement with the owner at a stated price but after the appropriation was made he refused to sell at the price agreed upon. Consequently the appropriation has remained unexpended.

Our annual reports for years have called attention to the great overcrowding at our hospital and requests for relief have been frequent. The matter is more serious this year than ever. Temporary relief has been provided by the frequent transference of patients to other hospitals outside our district. But the relief thus afforded has been only temporary. Before another transfer is arranged the overcrowding has become more serious than ever and never is the relief adequate. We have at present nearly 300 patients more than we can accommodate.

Our Board frequently in our annual reports of the past twelve or fifteen years has outlined certain plans that might meet permanently the hospital requirements of the four western counties. The plan most favored by us was the establishment of a colony in Berkshire County where patients from that county and perhaps others from adjacent counties might be cared for

under the administration and supervision of our hospital with the expectation that in time the colony would become an independent institution to care for all the patients from its part of the Commonwealth.

It has also been suggested that new buildings be erected somewhere on our hospital property in Northampton (which is as accessible as any place in the four western counties) near enough to the present plant to make use of its power, heating, lighting, cooking, and laundry equipment and its farm. Till within a few years our superintendent has not favored this plan, believing an institution of not more than 600 inmates to be a desirable size. An institution of that size undoubtedly can be administered as economically as a larger one, with the incalculable advantage to the inmates and relatives of a more intimate supervision by staff, subordinate officers, and corps of employees. With the growth of our institution to its present size, now maintaining 1,100 patients, the advantages of the smaller hospital have been lost never to be regained. There seems then to be no objection to the enlargement of the present institution by the addition of five hundred or six hundred beds and our Board offers this plan for consideration as a possible solution of a very serious matter.

In our annual report for last year was recorded the destruction by fire of the club house presented to the hospital by Mrs. L. D. James in honor of Mr. James who was for twenty-four years a valued and efficient trustee of the hospital.

The club house was a fine memorial excellently adapted to its purpose and was the daily resort of many patients as a relief from the wards, and an objective place for their outing in inclement weather. It was specially valued by them as a place where they might smoke and the smoking privilege was one of the rewards for men who work in the different departments of the hospital where of course smoking can not be permitted. Since its destruction smokers have had to resort to the groves or to the piazza of the women's pavilion for their daily privilege—cold comfort on wintry days. The hope was expressed by us that this building might be replaced. We quote from our last report, "Because of its great usefulness and immeasurable benefit to the patients, and, furthermore, because it was a gift to the hospital which should be perpetuated, it is earnestly hoped that the Legislature will grant an appropriation to rebuild it". The advisability of allowing the use of tobacco by patients who have been accustomed to its use for long periods needs no argument. We were advised a few years ago by the supervisory department to be reasonably liberal in this respect. It seems unreasonable and unwise to limit the privilege now. We therefore request an appropriation of \$8,000.00 for the purpose of rebuilding it.

Further needs of the hospital are as follows and we request that the sums mentioned be appropriated by the Legislature of 1924:

Extension of the sprinkler system for fire protection. We have estimated that for putting sprinklers in the attic of the first and second halls north and to complete the equipment in the second and third halls south there will be needed the sum of \$7,375.00.

For standpipes for fire protection in the second halls north and south, and the south infirmary will be needed \$2,757.00.

To relocate the steam mains to the farm ward which need replacing will require \$250.00.

To relocate pipes in the tunnel to the laundry will require \$456.00.

Repairs to the roof and new gutters at the north infirmary will cost \$4,150.00.

Plumbing material for use of both patients and employees in the basement between the kitchen and engine rooms will need \$300.00.

A new heater is required for the green house. This will allow of a reduction of the steam pressure now carried in a long line of steam pipe, will reduce the condensation, effecting a material saving in coal, and will afford automatic control. The cost is estimated at \$320.00.

Heating coils for the dining rooms on M. 1. and U. 1. south are necessary for the comfort of patients at meal time. We can make and install them with our own help at a cost for materials of \$193.00.

An electric cable is needed as a feeder to the first, second, and third halls south and to provide for the new building authorized by the Legislature of 1923. The cost will be \$239.00.

New cables are needed to care for the outside lighting and for the street lights along both roads and walks approaching the hospital. For this is needed \$500.00.

Recording thermometers for the cold storage building will cost \$327.00.

New laundry equipment is made necessary for the increasing number of patients. This includes a tumbler dryer, a press, and a disinfecter for mattresses and bedding. The cost of these will be \$4,312.00.

Storm windows are needed on the first halls south, where patients sit. The cost will be \$165.00.

For weather strips will be needed \$600.00.

For partitions in the cold storage to provide rooms where different temperatures can be maintained will be required \$614.00.

The following changes in the personnel of officers have occurred during the year.

On June 30, 1923, Dr. O. R. Blair resigned as assistant physician.

On October 16, 1923, Dr. Rodriguez Bourgon was appointed assistant physician.

On October 16, 1923 Dr. Elizabeth Thomas was appointed assistant physician.

On April 16, 1923, John Daniel was appointed head farmer in place of Mr. Allen, resigned.

For a more detailed account of the affairs of the institution we refer to the reports of the superintendent and treasurer which are appended to our report as a part of it.

EDWARD C. GERE.

CAROLINE A. YALE.

HARRY L. HOWARD.

LUKE CORCORAN.

JOSEPH W. STEVENS.

CHARLES W. KING.

EMILY N. NEWTON.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

The superintendent's report of the affairs of the hospital for 1923 is hereby respectfully submitted.

CHANGES IN POPULATION.

At the beginning of the hospital year, October 1, 1922, there were 1,289 patients carried on our books of whom 1,051 were in the hospital and 9 in family care, the others being away on visit or escape.

The number of cases admitted during the year was 456 making a total of 1,745 cases on our books.

There were 409 cases dismissed leaving 1,336 cases at the end of the hospital year, September 30, 1923, distributed as follows; 1,080 in the hospital, 9 in family care, 215 on visit, and 32 on escape, most of these latter having been carried on our books for several years.

The daily average population maintained during the year was 1,054.

ADMISSIONS.

Of the 456 cases admitted 34 were temporary care and voluntary cases not committed, 82 were readmissions and 340 were first admissions to any hospital for mental diseases. These first admissions are the ones that are reported in our statistical tables.

Of the 340 first admitted to any hospital 200, or 59 per cent, were of foreign parentage, and 124, or 37 per cent, were foreign born.

The places of nativity of the foreign born patients were as follows: 24 in Canada, 24 in Ireland, 11 in Italy, 11 in Poland, 10 in Russia, 8 in Germany, 4 in Scotland, 7 in England, 7 in Austria, 4 in Greece, 3 in France, 3 in Hungary, and 1 each in China, Spain, Syria, and Turkey.

There were many among the first admissions who were advanced in age, 57 being over seventy years of age, and 22 over eighty years old. One patient was admitted at the age of 97.

The predominating psychoses of all cases admitted were, of dementia praecox 117, senile psychoses and arteriosclerosis 70, manic-depressive 56, general paresis and cerebral syphilis 25, and alcoholic psychoses, 30.

DISMISSALS.

There were 409 patients dismissed as follows; discharged 195, transferred to other hospitals 103, died 111. Of those discharged 68 were classified as recovered, 83 as improved, 27 as unimproved, and 16 as not insane.

The principal causes of death were: cerebral hemorrhage, 32; general paralysis, 18; chronic myocarditis, 16; pulmonary tuberculosis, 6; cerebral thrombosis, 6; nephritis, 6.

Many of the patients who died were old; 68 of them were over sixty years of age and 22 were over eighty years of age. One man had been a resident of the hospital for thirty-one years, one woman for thirty-three years, and another woman for thirty-eight years at the time of death.

OVERCROWDING.

The outstanding feature relative to our population is the steady increase in the numbers we must care for. This year the number admitted, the daily average number cared for, and the total number under care have been larger than in any previous year.

No additional accommodations for patients have been provided since 1905 but since then nearly 1,400 patients have been transferred from our hospital to institutions in the eastern part of the state to make room for our increasing numbers, yet in spite of this large number removed we have at present nearly 300 more than we can accommodate.

MEDICAL WORK.

The medical activities of the hospital have been carried on as usual but with a larger number of patients to be cared for than ever before and by a staff fewer in numbers. In each department, male and female, the medical work and supervision has been done by one physician who has had an assistant physician to help him for only part of the year. There is difficulty in finding physicians of satisfactory qualifications willing to accept service in a hospital for treatment of mental cases because it is so unattractive to many. Fortunately there has been no unusual amount of illness throughout the hospital.

The routine analyses, blood and spinal fluid tests, vaccinations against typhoid fever, small pox and the like have been done and anti-syphilitic treatments have been given in some cases of neuro-syphilis and paresis, but our assistant physicians are overworked and at times are under a strain to accomplish anything beyond the routine. They have my sincere appreciation of their loyalty and devotion to their work.

Care of the patients' teeth has been continued without interruption. A brief report of the dentist's work is as follows: alloy fillings, 712; enamel fillings, 118; rubber plates, 12; plates repaired, 9; prophylaxis, 793; extractions, 395; treatments, 398; treatments completed, 79; gutta serena fillings, 3.

OUT-PATIENT SERVICE.

More has been done in the outpatient department than in any previous year but fortunately we have had a full complement of workers in this service, a physician, a social worker, and an assistant psychologist.

The nature of the work has been described so fully in previous reports that only brief mention of their doings will be recorded.

Weekly psychiatric clinics have been held regularly at Springfield, Greenfield, North Adams, and Pittsfield in turn. Here individuals come of their own accord for examination and counsel or are sent by physicians, social workers, associated charities, and by the courts. Patients out on visit come to report and relatives of patients in the hospital come to make inquiries and to send messages back to their friends. Quite a number of individuals have been referred to us who were not able to come to the places where the clinics are held; these have been visited at their homes.

It has been our experience that the different charitable agencies have cooperated with us in a very helpful way and we learn that our work is highly appreciated in the different communities where we serve. Cordial and friendly relationship has been established between the hospital and the public and an increasing confidence in our hospital has been engendered.

One day each week is devoted to the Juvenile Court at Springfield by our assistant, Dr. Whitney, and has seemingly been of much benefit to the officers of the court who have expressed deep appreciation of her services. Requests for similar services have come from other courts which we have been unable to grant because of press of work on our staff. It is a service that ought to be done and will prove very helpful when established as undoubtedly will be done sometime in the near future.

The school clinics have been kept busy and there is plenty of work ahead in the examination of retarded school children who have been referred to us. Cooperation with the school authorities has been excellent where our clinics have been held and as methods and purposes are better understood it is found that parents are welcoming the new opportunities afforded; there are some communities however from which there has been no response and others where the work is being done irregularly by methods not prescribed by the Commission. There has been noticed a tendency to avoid the necessity of auxiliary classes, if possible, evidently because of the expense involved and without due consideration of the value of such classes to the schools, to retarded children, and to the community in general.

Our social worker has had supervision of patients on visit, making frequent visits to their homes, assisting in their readjustment to home and community, and advising the families as to their physical and mental condition. She attends the clinics, gets additional information for our case histories, investigates home conditions of patients before coming to the hospital, also prior to their going out on trial visit. Much time has been spent with social agencies interested in families of our patients and in all these ways she has assisted the hospitals of the eastern part of the state who have patients in our district.

The district served by our outpatient workers is large and poorly equipped with railroad and street railway facilities. As a consequence much time is lost in waiting for trains and making train connections and much expense in employing vehicles for transportation. It is often necessary for the workers to remain away from the hospital over night.

Many more visits could be made by automobile and the workers could thereby return to the hospital at night. With the open season we have had at the time of writing this report it is apparent that an automobile could be used for ten or eleven months in the year at great saving to the state. To increase the number of patients allowed to leave the hospital on probation in the event of being supervised by the social worker would effect so great a saving in maintenance costs of such patients as to more than pay for the expenses of an automobile. A request for one was included in our estimates for the budget, made in the summer months. Since the colder months of the year have come we have realized that a closed car is essential for the long rides of our district but, because, in the haste of making our estimates in the summer, we had failed to request a closed car, we are advised that a request for one cannot be entertained. If a closed car is necessary and advisable, as we believe it is, and if it

will save money for the state, the fact that it was requested in October or November rather than in August or September should not lead to its refusal. We have from 200 to 230 patients out on visit and under the supervision of the social worker. The use of a car would make it feasible to allow a larger number of patients to make the trial of living in the community, probably contributing to their own support rather than to remain here at an expense to the taxpayers.

The attendance at our outpatient clinics has been larger than ever before. The total attendance was 677. Of these 34 were referred by physicians, 21 by hospitals, 51 by charitable and other organizations, 104 by courts, 250 by schools, 13 by other patients, 23 came with their relatives, and 20 came of their own accord. Patients away from the hospital to the number of 144 reported for the first time and 330 made other than first visits.

The social service department considered 376 cases during the year, of whom 221 were new ones, 4 were renewals, and 151 were continued from the previous year. One hundred and fifty-five cases were closed during the year.

TRAINING SCHOOL FOR NURSES.

The training school work has been continued under discouraging conditions. There have been few pupil nurses in training and but few properly qualified applicants for the new class. Increasing demands for nurses by the multiplication of hospitals of all kinds, general, special, private and state, and the nature of the work are the reasons given for the scarcity of applicants. The same reasons also explain an existing scarcity in our institutions of attendants of good character.

There are three of our nurses taking the additional year at the affiliating hospital, the State Infirmary at Tewksbury. Five of our graduates are still in our service, all the others having been tempted away by marriage or by positions elsewhere, that seemingly offer greater inducements.

OCCUPATIONAL THERAPY.

Activities have continued throughout the year in the line of occupational and industrial therapy under the supervision of three teachers. There is nothing new to report. As for many years the patients have been given instruction in the various arts and crafts that are found stimulating to convalescents.

Patients have been usefully employed in every department of the hospital, especially in the out-of-doors work contributing not only to the general welfare but especially to their own individual comfort and hastening their recovery.

ASSEMBLIES OF PATIENTS.

Entertainments have been provided regularly: moving pictures once a week or oftener, dancing during the cooler months of the year, observation of holidays and special occasions, concerts, sleight-of-hand and ventriloquial performances and the like. On Halloween was a party with games and "eats" in the hall, prettily decorated for the occasion. Thanksgiving and Christmas had special turkey dinners and on Christmas Eve there was a concert, and a Christmas tree with distribution of presents to everyone. A special service in honor of President Harding commemorated his death. There were numerous concerts and entertainments provided by Mr. Burton Noble, the entertainers coming from Springfield; the Northampton High School gave an excellent play, "The Woman Who Did"; McCallum's Band gave an evening's entertainment; the Clef Club from Northampton gave two concerts, and various other entertainers amused us. To all the entertainers who gave their services we express our grateful appreciation.

On each Lord's Day were two assemblies of patients for religious services, Catholic and Protestant.

In all there were two hundred and eight assemblies of patients and in each one music formed some part of the service.

FARM.

Farm production has not been so favorable as hoped for. A prolonged drought during the early summer affected some of our crops quite seriously.

There was a fair yield of potatoes. If there be deducted two acres which were very unproductive, the fifteen other acres yielded well, about 190 bushels per acre. The crop of onions matured early because of the dry weather, producing about half the crop expected, and the same was true of strawberries, which set well but from lack of moisture matured only half the usual yield. The hay and ensilage crops also suffered from the dry weather. The apple crop was a failure, less than 40 barrels being gathered where the number should have been in the hundreds.

To offset some of these failures there were good crops of other products. The sunny dry weather was very favorable for the tomatoes and a large and fine yield was had; so also of cabbage and squash; 16 tons of the former and 39 tons of the latter being gathered.

We are pleased at the exceptionally fine showing of our herd in the production of milk.

The total production of milk for the past year from the 55 cows was 745,249 pounds, an average of more than 13,000 pounds per cow. The average yield per cow has increased steadily in the past three years as follows; 8,460 pounds, 8,822 and 13,452. This has been accomplished by taking out of the herd the low producers, by improved methods in feeding, and by good care, but in large measure also because of the attention given by our steward, our head farmer, and our herdsman.

Some of the cows gave an average of more than 15,000 pounds of milk, one cow giving 19,830 pounds.

There are now in our herd 112 animals; 55 cows, 29 heifers, 24 calves, and 4 bulls, about 75 per cent of which are registered. The others are too valuable to get rid of but it is hoped gradually to replace grade cows by registered stock.

Nine grade calves and 15 registered calves were raised during the year. Three registered bull calves were sent to other state institutions and four pure bred bull calves were sold to farmers in our neighborhood.

REPAIRS AND IMPROVEMENTS.

Much has been done in the way of repairs and improvements, the principal items of which are here recorded for convenience of reference in the future.

New fire apparatus was purchased as follows;

A 45 foot extension ladder, two 20-foot roof ladders, a truck for the 60-foot extension ladder, two 40-gallon chemical fire extinguishers on wheels, four Phomene 2½-gallon fire extinguishers, and six Alaskan 2½-gallon non-freezing fire extinguishers.

Automatic sprinkler systems were installed in the basement and attic of the administration building and in the attic of the first halls and parts of the second halls south. To supply these the old stand fire pipe in the administration building from basement to attic was replaced with a larger one and connections outside were made with the fire main that surrounds the main group of buildings.

A connection from the old 6-inch water supply main was made to the suction line of the fire pumps.

Pipes were laid from the fire main to supply the stand pipe in the stairways of the third halls north, the north infirmary, the rear center building, and the third halls south.

The nipples in all hydrants were replaced with others having National Standard threads so that they can be used by the City Fire Department's apparatus.

The old hydrants that were connected to our service main but not to the fire main were removed. .

Indicator posts were installed on pipe lines to stand pipes in the first halls north, first halls south, and south infirmary.

A new generating unit was installed in the engine room and a switch board with two panels. The engine of 120 H.P. was made by the Skinner Engine Company and the generator of 75 K.W. capacity alternating current was made by the General Electric Company.

New exhaust mains to care for all three engines were laid.

A water front on No. 2 boiler was replaced; flue gas recording thermometers were installed on all four boilers; water level regulators were installed on No. 1 and No. 2 boilers; a draft guage was installed on No. 4 boiler; a new damper regulator for the boilers was installed; several sections of the soot blowers were replaced.

A heating coil at the piggery and a radiator in the stairway of the third halls north were installed; the steam main to the third halls south were regraded and set on roller supports, and the pipes were covered with insulation; the steam supply and return mains to the third halls north were covered with insulation.

A new line of wire, a feeder circuit, was installed through the basement corridor from the engineroom to the basement of the administration building to replace the old one that went underground across the yard; the coach barn was rewired in conduits; a conduit was laid through the tunnels to the nurses' homes to take the telephone wires; the corridor and rooms in the cold storage building were rewired; the power and lighting cables in the laundry tunnel were hung on brackets; a beginning was made of the rewiring in the basement of the administration building; a new motor was installed on the potato peeler; the house occupied by the storekeeper was wired for electric lighting.

New water supply pipes were laid in the administration building from basement to attic, to the passenger elevator, and a 4-inch pipe to the basement of the third halls south; new valves were installed in the water supply to the barns and laundry, and piping was changed so that either line can be shut off separately; water connection was made to the tenement on Grove Street.

A new rectifying tank for the ice machine and a double piped condenser were installed and a set of coils in the absorber was replaced.

A section of the plunger of the passenger elevator was replaced after being resurfaced.

The tunnel to the laundry was enlarged for a distance of 260 feet by raising the top and making it square in section instead of arched to afford more room for pipes and wires.

Cement floors were laid in the calf barn; new cement steps and loading platform were laid at the door of the storehouse; several yards of pavement were replaced in front of the storehouse; cement foundations and floors were laid for a new silo; a concrete conduit was laid in the basement floor under the third halls south for pipes and wires.

There were purchased and installed a machine for making cement blocks, a portable electric drill, a spare motor for the laundry extractors, a recording thermometer for outside temperatures, two aluminum kettles for cooking cereals.

A new plunger pump was installed at the spring house.

A booth was made and erected in the chapel for moving pictures.

Many friends have presented books and magazines and money for the purchase of presents for the Christmas tree to be given to patients who have no near relatives. We are especially grateful to the following persons and express the hope that the pleasure of giving is sufficient reward; Dr. and Mrs. W. T. Parker, Mr. N. Lyman Elmer, Mr. John D. Foley, Mrs. Mary R. Baxter, Nellie Ford, Anna Cassidy, George Joslyn, Miss Cutter, and Miss Tyler.

Respectfully submitted,

JOHN A. HOUSTON, *Superintendent.*

VALUATION

NOVEMBER 30, 1923.

REAL ESTATE.	
Land (513 acres)	\$127,553 75
Buildings	915,329 97
	<u>\$1,042,883 72</u>
PERSONAL PROPERTY.	
Travel, Transportation and Office Supplies	\$2,347 30
Food	16,567 11
Clothing and Materials	18,258 46
Furnishings and Household Supplies	97,193 78
Medical and General Care	1,629 63
Heat, Light and Power	12,380 42
Farm	29,887 21
Garage, Stable and Grounds	8,724 35
Repairs	21,746 16
	<u>\$208,734 42</u>
SUMMARY.	
Real Estate	\$1,042,883 72
Personal Property	208,734 42
	<u>\$1,251,618 14</u>

TREASURER'S REPORT.

To the Department of Mental Diseases.

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1923.

CASH ACCOUNT.	
Balance December 1, 1922	\$10,847 87
<i>Income.</i>	<i>Receipts.</i>
Board of inmates:	
Private	\$51,457 94
Reimbursements, insane	27,398 27
	<u>\$78,856 21</u>
Personal services:	
Reimbursement from Board of Retirement	85 45
Sales:	
Food	\$463 66
Clothing and materials	37 50
Furnishings and household supplies	5 00
Farm:	
Cows and calves	\$140 00
Hides	93 90
	<u>233 90</u>
Repairs, ordinary	246 74
Arts and crafts sales	139 52
	<u>1,126 32</u>
Miscellaneous:	
Interest on bank balances	\$522 55
Rent	766 00
	<u>1,288 55</u>
	81,356 53
Other receipts:	
Refunds of previous year	\$120 50
Refunds account wages unclaimed	25 47
	<u>145 97</u>
<i>Receipts from Treasury of Commonwealth.</i>	
Maintenance appropriations:	
Balance of 1922	\$5,513 99
Advance money (amount on hand Nov. 30)	289,511 29
	<u>295,025 28</u>
Total	<u>\$387,375 65</u>
Payments.	
To treasury of Commonwealth:	
Institution income	\$81,356 53
Refunds of previous year	120 50
Refunds account wages unclaimed	25 47
	<u>\$81,502 50</u>
Maintenance appropriations:	
Balance of schedules of previous year	\$16,361 86
Approved schedules of 1923	289,511 29
	<u>305,873 15</u>
Total	<u>\$387,375 65</u>

MAINTENANCE.

Balance from previous year, brought forward	\$6,885 10
Appropriation, current year	372,575 51
Total	\$379,460 61
Expenses (as analyzed below)	343,100 79

Balance reverting to Treasury of Commonwealth \$36,359 82

Analysis of Expenses.

Personal services	\$139,855 57
Religious instruction	1,230 00
Travel, transportation and office expenses	5,702 83
Food	66,633 16
Clothing and materials	7,658 76
Furnishings and household supplies	23,141 58
Medical and general care	10,685 83
Heat, light and power	36,433 36
Farm	17,944 73
Garage, stable and grounds	3,643 16
Repairs, ordinary	13,470 48
Repairs and renewals	16,701 33

Total expenses for maintenance \$343,100 79

SPECIAL APPROPRIATIONS.

Appropriations for current year	\$104,000 00
Expended during the year (see statement below)	95 50

Balance November 30, 1923, carried to next year \$103,904 50

OBJECT.	Act or Resolve.	Whole Amount.	Expended during Fiscal Year.	Total expended to Date.	Balance at End of Year.
Two Ward Buildings	Chap. 126, 1923	\$100,000 00	\$95 50	\$95 50	\$99,904 50
Purchase of Courtney Property	Chap. 126, 1923	4,000 00	—	—	4,000 00
		\$104,000 00	\$95 50	\$95 50	\$103,904 50

STATISTICAL TABLES.

AS ADOPTED BY AMERICAN PSYCHIATRIC ASSOCIATION.

PRESCRIBED BY MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES.

TABLE 1. — *General Information.*

1. Date of opening as an institution for the insane: Aug. 16, 1858.

2. Type of institution: State.

3. Hospital plant:

Real estate, including buildings and betterments \$1,038,018 67

Personal property 208,734 42

Total \$1,246,753 09

Total acreage of hospital property, 513½.

Acreage under cultivation during year, 145.

	Men.	Women.	Totals.
4. Medical service:			
Superintendents	1	—	1
Assistant physicians	2	3	5
Dentist	1	—	1
Medical internes	—	—	—
Clinical assistants	—	—	—
	4	3	7
5. Employees:			
Graduate nurses	—	5	5
Other nurses and attendants	31	19	50
Social workers	—	1	1
All other employees	43	31	74
	74	56	130
6. Percentage of patients employed during year	73.23	63.00	68.11

TABLE 2. — *Financial Statement.*

See treasurer's report for data requested under this table.

TABLE 3. — Movement of Patient Population for the Year ending Sept. 30, 1923.

	INSANE.			SANE, VOLUNTARY.			TEMPORARY CARE AND OBSERVATION NOT COMMITTED.			AGGREGATE.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Patients on books on institution Sept. 30, 1922	618	670	1,288	—	—	—	1	—	1	619	670	1,289
Admissions during the year:												
(a) First admissions	165	175	340	3	3	6	17	11	28	185	189	374
(b) Readmissions	44 ¹	31	75	—	—	—	3	1	4	47	32	79
Total admissions	209	206	415	3	3	6	20	12	32	232	221	453
(c) Transfers from other institutions for the insane	—	3	3	—	—	—	—	—	—	—	3	3
2. Total received during year	209	209	418	3	3	6	20	12	32	232	224	456
3. Total under treatment during year	827	879	1,706	3	3	6	21	12	33	851	894	1,745
Discharged from books during year:												
(a) As recovered	24	38	62	—	—	—	6	—	6	30	38	68
(b) As improved	32	43	75	—	—	—	3	5	8	35	48	83
(c) As unimproved	14	9	23	—	—	—	3	1	4	17	10	27
(d) As not insane	1	2	3	—	—	—	4	3	7	8	8	16
(e) Transferred to other institutions for the insane	69	34	103	3	3	6	—	—	—	69	34	103
(f) Died during year	58	50	108	—	—	—	3	—	3	61	50	111
(g) Nominally discharged for change of status	—	—	—	—	—	—	1	—	1	1	—	1
4. Total discharged from books during year	198	176	374	3	3	6	20	9	29	221	188	409
5. Patients remaining on books of institution Sept. 30, 1923	629	703	1,332	—	—	—	1	3	4	630	706	1,336
<i>Supplementary Data.</i>												
6(a) Average daily number of patients on books during year	594.09	684.54	1,278.63	.54	.34	.88	.93	.34	1.27	595.56	685.22	1,280.78
6(b) Average daily number of patients actually in institution during year	506.74	536.82	1,043.56	.54	.34	.88	.93	.34	1.27	508.21	537.50	1,045.71
7(a) Average daily number of patients in family care	—	9	9	—	—	—	—	—	—	—	9	9
7(b) Average daily number of patients on visit and escape	87.35	138.72	226.07	3	3	6	—	—	—	87.35	138.72	226.07
8. Number of voluntary patients admitted within the year	2	1	3	3	3	6	—	—	—	5	4	9
9. Number of temporary-care cases admitted within the year	97	86	183	—	—	—	22	12	34	119	98	217
10. Number of patients actually remaining in institution Sept. 30, 1923	510	566	1,076	—	—	—	1	3	4	511	569	1,080
State	403	422	825	—	—	—	1	3	4	404	425	829
Reimbursing	74	32	106	—	—	—	—	—	—	74	32	106
Private	33	112	145	—	—	—	—	—	—	33	112	145
State	—	9	9	—	—	—	—	—	—	—	9	9
Private	—	7	7	—	—	—	—	—	—	—	7	7
Self-supporting	2	2	2	—	—	—	—	—	—	—	2	2
11. Number of patients in family care Sept. 30, 1923	—	—	—	—	—	—	—	—	—	—	—	—
State	—	—	—	—	—	—	—	—	—	—	—	—
Private	—	—	—	—	—	—	—	—	—	—	—	—
Self-supporting	—	—	—	—	—	—	—	—	—	—	—	—
12. Number of different persons within the year	821	876	1,697	3	3	6	20	12	32	844	891	1,735
13. Number of different persons admitted from the community	208	209	417	3	3	6	20	12	32	231 ¹	224	455
14. Number of different persons dismissed, exclusive of transfers	127	142	269	3	3	6	19	9	28	149	154	303
15. Number of non-insane patients or inmates in institution at end of institution year	—	—	—	—	—	—	—	—	—	—	—	—
(b) Persons given advice or treatment in out-patient department during year	—	—	—	—	—	—	490	536	1,026	—	—	—

¹ Includes one patient committed after October 1 from Observation of 1921-1922.

TABLE 4. — *Nativity of First Admissions and of Parents of First Admissions.*

NATIVITY.	PATIENTS.			PARENTS OF MALE PATIENTS.			PARENTS OF FEMALE PATIENTS.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
United States	96	119	215	61	59	120	76	71	147
Austria	5	2	7	6	7	13	2	2	4
Canada	9	15	24	16	15	31	24	30	54
China	1	—	1	1	1	2	—	—	—
England	5	2	7	6	5	11	3	1	4
France	—	3	3	—	—	—	4	4	8
Germany	5	3	8	9	9	18	7	5	12
Greece	3	1	4	3	3	6	1	1	2
Hungary	2	1	3	2	2	4	1	1	2
Ireland	11	13	24	26	30	56	36	39	75
Italy	6	5	11	6	6	12	7	7	14
Poland	8	3	11	9	9	18	4	4	8
Russia	7	3	10	10	9	19	3	3	6
Scotland	4	4	8	5	4	9	3	3	6
Spain	—	1	1	—	—	—	1	1	2
Syria	1	—	1	1	1	2	—	—	—
Turkey in Europe	1	—	1	1	1	2	—	—	—
Total foreign born	68	56	124	101	102	203	96	101	197
Unascertained	1	—	1	3	4	7	3	3	6
Grand total	165	175	340	165	165	330	175	175	350

TABLE 5. — *Citizenship of First Admissions.*

	M.	F.	T.
Citizens by birth	96	119	215
Citizens by naturalization	27	22	49
Aliens	39	29	68
Citizenship unascertained	3	5	8
Total	165	175	340

TABLE 6. — *Psychoses of First Admissions.*

PSYCHOSES.	M.	F.	T.	M.	F.	T.
1. Traumatic, Total	2	—	2	3	—	3
Traumatic constitution	2	—	2			
Post-traumatic mental enfeeblement	1	—	1			
2. Senile, Total	5	7	12	16	24	40
Simple deterioration	5	7	12			
Presbyophrenic type	5	4	9			
Delirious and confused types	2	3	5			
Depressed and agitated states	1	4	5			
Paranoid types	3	6	9			
3. With cerebral arteriosclerosis	—	—	—	13	15	28
4. General paralysis	—	—	—	13	6	19
5. With cerebral syphilis	—	—	—	2	3	5
6. With Huntington's chorea	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—
8. With other brain or nervous diseases, Total	—	—	—	—	4	4
Cerebral embolism	—	1	1			
Cerebro-spinal syphilis	—	3	3			
9. Alcoholic, Total	2	1	3	19	4	23
Korsakow's psychosis	2	1	3			
Acute hallucinosis	12	2	14			
Chronic hallucinosis	—	—	—			
Acute paranoid type	1	—	1			
Chronic paranoid type	2	1	3			
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—
11. With pellagra	—	—	—	—	1	1
12. With other somatic diseases, Total	—	—	—	6	7	13
Post-infectious psychosis	—	3	3			
Exhaustion delirium	2	1	3			
Delirium of unknown origin	—	1	1			
Cardio-renal disease	4	2	6			

TABLE 6. — *Psychoses of First Admissions — Concluded.*

PSYCHOSES.										M.	F.	T.	M.	F.	T.
13. Manic-depressive, Total	.	.	.	.	.	.	.	.	.	6	6	12	14	27	41
Manic type	.	.	.	.	.	.	.	.	.	6	10	16			
Depressive type	.	.	.	.	.	.	.	.	.	—	3	3			
Stupor	.	.	.	.	.	.	.	.	.	—	3	3			
Mixed type	.	.	.	.	.	.	.	.	.	2	5	7			
Circular type	.	.	.	.	.	.	.	.	.
14. Involution melancholia	.	.	.	.	.	.	.	.	.				4	6	10
15. Dementia præcox, Total	.	.	.	.	.	.	.	.	.	18	22	40	53	48	101
Paranoid type	.	.	.	.	.	.	.	.	.	19	10	29			
Catatonic type	.	.	.	.	.	.	.	.	.	11	9	20			
Hebephrenic type	.	.	.	.	.	.	.	.	.	5	7	12			
Simple type	.	.	.	.	.	.	.	.	.
16. Paranoia and paranoid conditions	.	.	.	.	.	.	.	.	.				—	—	—
17. Epileptic, Total	.	.	.	.	.	.	.	.	.	1	1	2	1	4	5
Deterioration	.	.	.	.	.	.	.	.	.	—	3	3			
Clouded state	.	.	.	.	.	.	.	.	.
18. Psychoneuroses, Total	.	.	.	.	.	.	.	.	.				—	6	6
Hysterical type	.	.	.	.	.	.	.	.	.	—	2	2			
Psychasthenic type	.	.	.	.	.	.	.	.	.	—	2	2			
Neurasthenic type	.	.	.	.	.	.	.	.	.	—	2	2			
19. With psychopathic personality	.	.	.	.	.	.	.	.	.				1	2	3
20. With mental deficiency	.	.	.	.	.	.	.	.	.				7	5	12
21. Undiagnosed	.	.	.	.	.	.	.	.	.				6	9	15
22. Without psychosis, Total	.	.	.	.	.	.	.	.	.				7	4	11
Psychopathic personality without psychosis	.	.	.	.	.	.	.	.	.	1	2	3			
Mental deficiency without psychosis	.	.	.	.	.	.	.	.	.	6	1	7			
Senility without psychosis	.	.	.	.	.	.	.	.	.	—	1	1			
Total	.	.	.	.	.	.	.	.	.				165	175	340

TABLE 7. — *Race of First Admissions classified with Reference to Psychoses.*

RACE.	TOTAL.			TRAUMATIC.			SENILE.			WITH CEREBRAL ARTERIO-SCLEROSIS.			GENERAL PARALYSIS.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African	4	2	6	—	—	—	1	—	1	—	—	—	1	1	2
Chinese	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Dutch and Flemish	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
English	9	3	12	1	—	1	1	—	1	1	—	1	3	—	3
French	15	25	40	—	—	—	3	3	6	2	1	3	2	2	4
German	8	8	16	—	—	—	1	1	2	—	1	1	1	—	1
Greek	3	1	4	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew	4	1	5	—	—	—	—	—	—	—	—	—	1	—	1
Irish	30	37	67	1	—	1	3	4	7	3	1	4	—	1	1
Italian	6	7	13	—	—	—	—	—	—	—	—	—	—	—	—
Lithuanian	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
Magyar	5	1	6	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scotch	5	6	11	1	—	1	1	—	1	—	1	1	—	—	—
Slavonic	17	7	24	—	—	—	—	—	—	1	—	1	—	—	—
Spanish	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Syrian	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	55	74	129	—	—	—	6	16	22	6	11	17	5	2	7
Total	165	175	340	3	—	3	16	24	40	13	15	28	13	6	19

TABLE 7. — *Race of First Admissions classified with Reference to Psychoses — Continued.*

RACE.	WITH CEREBRAL SYPHILIS.			WITH OTHER BRAIN OR NERVOUS DISEASES.			ALCOHOLIC.			PELLAGRA.			SOMATIC.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Chinese	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Dutch and Flemish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
German	—	—	—	—	—	—	2	—	2	—	—	—	—	—	—
Greek	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Irish	1	—	1	—	1	1	3	3	6	—	1	1	—	1	1
Italian	—	—	—	—	—	—	—	—	—	—	—	—	2	—	2
Lithuanian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Magyar	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Scandinavian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scotch	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Slavonic	—	—	—	—	—	—	8	—	8	—	—	—	1	—	1
Spanish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Syrian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	—	3	3	—	3	3	2	1	3	—	—	—	2	6	8
Total	2	3	5	—	4	4	19	4	23	—	1	1	6	7	13

TABLE 7. — *Race of First Admissions classified with Reference to Psychoses — Continued.*

RACE.	MANIC-DEPRESSIVE.			INVOLUTION MELANCHOLIA.			DEMENTIA PRÆCOC.			EPILEPTIC.			PSYCHO-NEUROSES.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African	—	—	—	—	—	—	1	1	2	—	—	—	—	—	—
Chinese	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dutch and Flemish	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—
English	—	—	—	—	1	1	3	1	4	—	—	—	—	—	—
French	2	5	7	—	1	1	1	9	10	—	2	2	—	1	1
German	2	2	4	—	1	1	1	2	3	—	—	—	—	—	—
Greek	—	—	—	—	—	—	3	1	4	—	—	—	—	—	—
Hebrew	—	1	1	—	—	—	3	—	3	—	—	—	—	—	—
Irish	3	7	10	2	2	4	11	8	19	—	1	1	—	2	2
Italian	—	4	4	—	—	—	3	2	5	—	1	1	—	—	—
Lithuanian	—	—	—	—	—	—	1	1	2	—	—	—	—	—	—
Magyar	—	1	1	—	—	—	4	—	4	—	—	—	—	—	—
Scandinavian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scotch	1	2	3	—	—	—	—	1	1	—	—	—	—	1	1
Slavonic	1	1	2	—	—	—	4	4	8	—	—	—	—	—	—
Spanish	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—
Syrian	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Mixed	4	4	8	2	1	3	17	16	33	1	—	1	—	2	2
Total	14	27	41	4	6	10	53	48	101	1	4	5	—	6	6

TABLE 7. — *Race of First Admissions classified with Reference to Psychoses — Concluded.*

RACE.	WITH PSYCHOPATHIC PERSONALITY†			WITH MENTAL DEFICIENCY.			UNDIAGNOSED.			WITHOUT PSYCHOSIS.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African	-	-	-	-	-	-	-	-	-	-	-	-
Chinese	-	-	-	-	-	-	-	-	-	-	-	-
Dutch and Flemish	-	-	-	-	-	-	-	-	-	-	-	-
English	-	1	1	-	-	-	-	-	-	-	-	-
French	-	-	-	2	-	2	1	1	2	1	-	1
German	-	-	-	-	1	1	1	-	1	-	-	-
Greek	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	-	-	-	-	-	-	-	-	-	-	-	-
Irish	-	-	-	2	2	4	1	2	3	-	1	1
Italian	-	-	-	-	-	-	1	-	1	-	-	-
Lithuanian	-	-	-	-	-	-	-	-	-	-	-	-
Magyar	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian	-	-	-	-	-	-	-	-	-	-	-	-
Scotch	-	-	-	-	-	-	-	1	1	-	-	-
Slavonic	1	1	2	1	1	2	-	-	-	-	-	-
Spanish	-	-	-	-	-	-	-	-	-	-	-	-
Syrian	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	-	-	-	2	1	3	2	5	7	6	3	9
Total	1	2	3	7	5	12	6	9	15	7	4	11

TABLE 8. — *Age of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			UNDER 15 YEARS.			15-19 YEARS.			20-24 YEARS.			25-29 YEARS.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	16	24	40	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	13	15	28	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis	13	6	19	-	-	-	-	-	-	-	-	-	1	-	1
5. With cerebral syphilis	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	19	4	23	-	-	-	-	-	-	-	-	-	2	1	3
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	6	7	13	-	-	-	1	1	-	1	1	-	-	1	1
13. Manic-depressive	14	27	41	-	1	1	-	1	1	2	3	5	2	3	5
14. Involution melancholia	4	6	10	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia præcox	53	48	101	-	1	1	6	3	9	9	3	12	11	4	15
16. Paranoia and other paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic	1	4	5	1	1	2	-	1	1	-	-	-	2	-	2
18. Psychoneuroses	-	6	6	-	-	-	-	-	-	-	-	-	-	1	1
19. With psychopathic personality	1	2	3	-	-	-	-	-	-	1	-	1	-	-	-
20. With mental deficiency	7	5	12	-	-	-	1	1	2	1	1	2	1	1	2
21. Undiagnosed	6	9	15	-	-	-	1	-	1	-	2	2	1	1	2
22. Without psychosis	7	4	11	1	-	1	2	-	2	1	-	1	1	1	2
Total	165	175	340	2	3	5	10	7	17	14	10	24	19	15	34

TABLE 8. — *Age of First Admissions classified with Reference to Principal Psychoses*
— Continued.

PSYCHOSES.	30-34 YEARS.			35-39 YEARS.			40-44 YEARS.			45-49 YEARS.			50-54 YEARS.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	2	-	2	1	-	1	-	-	-
2. Senile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis	-	-	-	2	-	2	2	1	3	4	3	7	-	1	1
5. With cerebral syphilis	-	1	1	2	-	2	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	5	-	5	4	-	4	2	1	3	2	1	2	2	1	3
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
12. With other somatic diseases	-	-	-	-	1	1	-	1	1	1	-	1	1	-	1
13. Manic-depressive	1	6	7	1	4	5	2	2	4	-	5	5	1	-	1
14. Involution melancholia	-	-	-	-	-	-	-	-	-	2	1	3	-	1	1
15. Dementia præcox	11	5	16	6	7	13	4	5	9	2	6	8	3	4	7
16. Paranoia and other paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses	-	-	-	-	3	3	-	1	1	-	1	1	-	-	-
19. With psychopathic personality	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	2	-	2	2	-	2	-	-	-	2	2	-	-	-	-
21. Undiagnosed	-	-	-	-	1	1	-	1	1	2	1	3	-	1	1
22. Without psychosis	-	1	1	-	-	-	-	-	-	-	1	1	-	-	-
Total	19	14	33	17	16	33	12	15	27	14	21	35	7	8	15

TABLE 8. — *Age of First Admissions classified with Reference to Principal Psychoses*
— Concluded.

PSYCHOSES.	55-59 YEARS.			60-64 YEARS.			65-69 YEARS.			70-74 YEARS.			75 YEARS AND OVER.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	-	-	-	-	-	-	2	4	6	3	7	10	11	13	24
3. With cerebral arteriosclerosis	-	-	-	3	-	3	6	2	8	1	1	2	3	12	15
4. General paralysis	3	-	3	-	1	1	1	-	1	-	-	-	-	-	-
5. With cerebral syphilis	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
9. Alcoholic	-	1	1	1	-	1	-	-	-	-	-	-	1	-	1
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	-	-	1	-	1	2	-	2	-	1	1	1	1	2
13. Manic-depressive	2	1	3	2	1	3	1	-	1	-	-	-	-	-	-
14. Involution melancholia	2	2	4	-	-	-	-	2	2	-	-	-	-	-	-
15. Dementia præcox	1	4	5	-	4	4	-	1	1	-	1	1	-	-	-
16. Paranoia and other paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed	-	1	1	-	1	1	2	-	2	-	-	-	-	-	-
22. Without psychosis	-	1	1	-	-	-	1	-	1	-	-	-	1	-	1
Total	8	11	19	7	9	16	15	10	25	4	10	14	17	26	43

TABLE 9. — *Degree of Education of First Admissions classified with Reference to Psychoses.*

PSYCHOSES.	TOTAL.			ILLITERATE.			READS AND WRITES.			COMMON SCHOOL.			HIGH SCHOOL.			COLLEGE.			UNASCERTAINED.			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
1. Traumatic	3	-	3	-	1	1	-	8	7	15	1	1	2	-	-	-	-	-	-	-	-	-
2. Senile	16	24	40	-	2	4	-	5	3	8	7	22	1	-	-	-	-	-	-	1	1	1
3. With cerebral arteriosclerosis	13	15	28	-	-	-	-	5	1	6	6	13	1	1	-	-	-	-	-	1	1	1
4. General paralysis	13	6	19	-	-	-	-	5	2	2	2	13	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis	2	3	5	-	-	-	-	-	-	-	2	3	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8. With other brain or nervous diseases	-	4	4	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	
9. Alcoholic	19	4	23	4	1	5	10	1	11	-	5	7	-	-	-	-	-	-	-	-	-	
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11. With pellagra	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	
12. With other somatic diseases	6	7	13	2	-	2	1	2	3	-	2	4	4	3	4	-	-	-	-	-	-	
13. Manic-depressive	14	27	41	1	1	2	1	4	5	-	8	22	1	6	10	-	-	-	-	2	2	2
14. Involution melancholia	4	6	10	-	1	1	-	1	1	-	3	5	1	3	4	-	-	-	-	-	-	-
15. Dementia præcox	53	48	101	2	4	6	13	10	23	-	24	52	10	6	16	4	-	-	-	-	-	-
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
17. Epileptic	1	4	5	1	-	1	-	2	2	-	-	2	-	-	-	-	-	-	-	-	-	
18. Psychoneuroses	-	6	6	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	
19. With psychopathic personality	-	1	2	-	-	-	1	-	1	-	-	2	-	-	-	-	-	-	-	-	-	
20. With mental deficiency	7	5	12	-	3	3	3	1	4	-	4	5	-	-	-	-	-	-	-	-	-	
21. Undiagnosed	6	9	15	-	-	-	2	1	3	-	2	7	-	-	2	-	-	-	-	1	1	1
22. Without psychosis	7	4	11	1	-	1	1	2	3	-	4	4	-	-	1	1	-	-	-	1	1	1
Total	165	175	340	13	12	25	50	37	87	76	98	174	21	22	43	5	-	-	-	6	6	6

TABLE 10. — *Environment of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			URBAN.			RURAL.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	3	—	3	2	—	2	1	—	1
2. Senile	16	24	40	11	16	27	5	8	13
3. With cerebral arteriosclerosis	13	15	28	8	12	20	5	3	8
4. General paralysis	13	6	19	10	6	16	3	—	3
5. With cerebral syphilis	2	3	5	2	1	3	—	2	2
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	4	4	—	4	4	—	—	—
9. Alcoholic	19	4	23	18	3	21	1	1	2
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—
11. With pellagra	—	1	1	—	1	1	—	—	—
12. With other somatic diseases	6	7	13	5	5	10	1	2	3
13. Manic depressive	14	27	41	9	19	28	5	8	13
14. Involution melancholia	4	6	10	1	5	6	3	1	4
15. Dementia præcox	53	48	101	33	33	66	20	15	35
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—
17. Epileptic	1	4	5	1	4	5	—	—	—
18. Psychoneuroses	—	6	6	—	3	3	—	3	3
19. With psychopathic personality	1	2	3	—	1	1	1	1	2
20. With mental deficiency	7	5	12	6	4	10	1	1	2
21. Undiagnosed	6	9	15	4	6	10	2	3	5
22. Without psychosis	7	4	11	4	3	7	3	1	4
Total	165	175	340	114	126	240	51	49	100

TABLE 11. — *Economic Condition of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			DE- PENDENT.			MARGINAL.			COMFORT- ABLE.			UNASCER- TAINED.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	3	—	3	—	—	—	3	—	3	—	—	—	—	—	—
2. Senile	16	24	40	1	5	6	10	12	22	5	7	12	—	—	—
3. With cerebral arteriosclerosis	13	15	28	—	1	1	11	10	21	1	4	5	1	—	1
4. General paralysis	13	6	19	—	—	—	11	5	16	—	1	1	2	—	2
5. With cerebral syphilis	2	3	5	—	—	—	1	3	4	1	—	1	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous dis- eases	—	4	4	—	—	—	—	3	3	—	1	1	—	—	—
9. Alcoholic	19	4	23	—	—	—	18	2	20	—	2	2	1	—	1
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	1	1	—	—	—	—	—	—	—	1	1	—	—	—
12. With other somatic diseases	6	7	13	1	—	1	4	3	7	1	4	5	—	—	—
13. Manic-depressive	14	27	41	2	1	3	8	20	28	4	6	10	—	—	—
14. Involution melancholia	4	6	10	1	—	1	3	3	6	—	3	3	—	—	—
15. Dementia præcox	53	48	101	2	3	5	37	37	74	12	8	20	2	—	2
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic	1	4	5	—	—	—	1	4	5	—	—	—	—	—	—
18. Psychoneuroses	—	6	6	—	2	2	—	2	2	—	2	2	—	—	—
19. With psychopathic personality	1	2	3	—	—	—	1	2	3	—	—	—	—	—	—
20. With mental deficiency	7	5	12	—	1	1	5	4	9	1	—	1	1	—	1
21. Undiagnosed	6	9	15	—	—	—	5	7	12	1	2	3	—	—	—
22. Without psychosis	7	4	11	—	3	3	5	1	6	2	—	2	—	—	—
Total	165	175	340	7	16	23	123	118	241	28	41	69	7	—	7

TABLE 12. — *Use of Alcohol by First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			ABSTINENT.			TEMPERATE.			INTERPERATE.			UNASCERTAINED.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	3	—	3	1	—	1	1	—	1	1	—	1	—	—	—
2. Senile	16	24	40	8	19	27	5	3	8	2	—	2	1	2	3
3. With cerebral arteriosclerosis	13	15	28	3	13	16	10	1	11	—	—	—	—	1	1
4. General paralysis	13	6	19	1	2	3	7	3	10	4	1	5	1	—	1
5. With cerebral syphilis	2	3	5	1	3	4	1	—	1	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	4	4	—	3	3	—	1	1	—	—	—	—	—	—
9. Alcoholic	19	4	23	—	—	—	—	—	—	19	4	23	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	6	7	13	—	7	7	4	—	4	2	—	2	—	—	—
13. Manic-depressive	14	27	41	3	22	25	9	5	14	2	—	2	—	—	—
14. Involution melancholia	4	6	10	2	4	6	2	2	4	—	—	—	—	—	—
15. Dementia præcox	53	48	101	27	40	67	21	5	26	4	3	7	1	—	1
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic	1	4	5	1	3	4	—	1	1	—	—	—	—	—	—
18. Psychoneuroses	—	6	6	—	6	6	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	1	2	3	1	2	3	—	—	—	—	—	—	—	—	—
20. With mental deficiency	7	5	12	2	4	6	5	—	5	—	—	—	—	1	1
21. Undiagnosed	6	9	15	3	7	10	2	1	3	1	—	1	—	1	1
22. Without psychosis	7	4	11	5	3	8	2	1	3	—	—	—	—	—	—
Total	165	175	340	58	139	197	69	23	92	35	8	43	3	5	8

TABLE 13. — *Marital Condition of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES.	TOTAL.			SINGLE.			MARRIED.			WIDOWED.			SEPARATED.			DIVORCED.			UNASCERTAINED.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	3	—	3	1	4	1	1	7	1	5	—	—	1	—	—	—	—	—	—	—	—
2. Senile	16	24	40	4	6	10	—	5	2	3	16	21	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	13	15	28	5	4	9	—	8	3	8	11	—	—	—	—	—	—	—	—	—	—
4. General paralysis	13	16	29	3	—	—	—	6	6	14	—	—	—	—	—	2	—	—	—	—	—
5. With cerebral syphilis	2	3	5	—	—	—	—	1	—	3	1	—	1	1	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic	19	4	23	6	—	6	—	10	3	13	1	3	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	1	1	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	6	7	13	—	—	—	—	3	4	7	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive	14	27	41	4	11	15	—	6	14	20	3	5	1	—	—	—	—	—	—	—	—
14. Involution melancholia	4	6	10	—	2	2	—	4	3	7	1	1	—	—	—	—	—	—	—	—	—
15. Dementia praecox	53	48	101	39	21	60	—	11	18	29	2	5	1	1	—	—	3	3	1	—	1
16. Paranoia and paranoid conditions	—	4	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic	1	4	5	1	3	4	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses	—	6	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	1	2	3	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	7	5	12	7	4	11	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed	6	9	15	2	5	7	—	4	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	7	4	11	6	2	8	—	1	—	—	1	—	—	1	—	—	—	—	—	—	—
Total	105	175	340	79	66	145	62	65	127	19	37	56	2	3	5	2	4	6	1	—	1

TABLE 14. — *Psychoses of Readmissions.*

PSYCHOSES.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—
2. Senile	—	—	—	—	—	—
3. With cerebral arteriosclerosis	2	3	5	2	3	5
4. General paralysis	1	1	2	1	1	2
5. With cerebral syphilis	—	1	1	—	1	1
6. With Huntington's chorea	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—
8. With other brain or nervous diseases	—	—	—	—	—	—
9. Alcoholic, total	7	—	7	7	—	7
(c) Korsakow's psychosis	—	—	1	—	—	1
(d) Acute hallucinosis	5	—	5	5	—	5
(f) Acute paranoid type	1	—	1	1	—	1
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—
12. With other somatic diseases, total	1	2	3	1	2	3
(d) Delirium of unknown origin	—	1	1	—	1	1
(e) Cardio-venal disease	1	1	2	1	1	2
13. Manic-depressive, total	5	3	8	15	12	27
(a) Manic type	6	5	11	6	5	11
(b) Depressed type	1	—	1	1	—	1
(c) Stuporous type	1	2	3	1	2	3
(d) Mixed type	2	2	4	2	2	4
(e) Circular type	—	—	—	—	—	—
14. Involution melancholia	—	—	—	—	—	—
15. Dementia præcox, total	7	3	10	16	8	24
(a) Paranoid type	4	3	7	4	3	7
(b) Catatonic type	5	2	7	5	2	7
(c) Hebephrenic type	—	—	—	—	—	—
16. Paranoid and paranoic conditions	—	—	—	—	—	—
17. Epileptic	—	—	—	—	—	—
18. Psychoneuroses	—	—	—	—	—	—
19. With psychopathic personality	—	1	1	—	1	1
20. With mental deficiency	1	1	2	1	1	2
21. Undiagnosed	—	1	1	—	1	1
22. Without psychosis	—	—	—	—	—	—
(c) Drug addiction without psychosis	—	1	1	—	1	1
(e) Mental deficiency without psychosis	1	—	1	1	—	1
Total	44	31	75	44	31	75

TABLE 15. — *Discharge of Patients classified with Reference to Principal Psychoses and Condition on Discharge.*

PSYCHOSES.	TOTAL.			RECOVERED.			IMPROVED.			UNIMPROVED.			NOT INSANE.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	—	3	3	—	—	—	—	2	2	—	1	1	—	—	—
3. With cerebral arteriosclerosis	—	1	1	—	—	—	—	—	—	—	1	1	—	—	—
4. General paralysis	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
5. With cerebral syphilis	—	2	2	—	—	—	—	2	2	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic	12	2	14	8	1	9	4	1	5	—	1	1	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	2	9	11	—	8	8	2	1	3	—	—	—	—	—	—
13. Manic-depressive	17	25	42	15	23	38	2	2	4	—	—	—	—	—	—
14. Involution melancholia	4	6	10	1	4	5	1	2	3	2	—	2	—	—	—
15. Dementia præcox	28	34	62	—	—	—	17	29	46	11	5	16	—	—	—
16. Paranoia and paranoic conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic	—	1	1	—	—	—	—	—	—	—	1	1	—	—	—
18. Psychoneuroses	2	2	4	—	2	2	2	—	2	—	—	—	—	—	—
19. With psychopathic personality	—	2	2	—	—	—	—	2	2	—	—	—	—	—	—
20. With mental deficiency	3	1	4	—	—	—	3	1	4	—	—	—	—	—	—
21. Undiagnosed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	1	2	3	—	—	—	—	—	—	—	—	—	1	2	3
Total	71	92	163	24	38	62	32	43	75	14	9	23	1	2	3

TABLE 16. — *Causes of Death of Patients classified with Reference to Principal Psychoses.*

CAUSE OF DEATH.	TOTAL.			SENILE.			WITH CEREBRAL ARTERIO-SCLEROSIS.			GENERAL PARALYSIS.			WITH CEREBRAL SYPHILIS.			WITH BRAIN TUMOR.			WITH OTHER BRAIN OR NERVOUS DISEASES.			ALCOHOLIC.			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
<i>General Diseases.</i> Carcinoma of intestine Carcinoma of liver Carcinoma of stomach Carcinoma of uterus Erysipelas of face Pernicious anemia Tuberculosis, general Tuberculosis, pulmonary <i>Nervous System.</i> Brain tumor Cerebral hemorrhage Exhaustion following suicidal attempt General paralysis of the insane Status epilepticus <i>Respiratory System.</i> Broncho pneumonia <i>Circulatory System.</i> Cerebral embolism Cerebral thrombosis Myocarditis, acute Myocarditis, chronic Pericarditis, acute <i>Digestive System.</i> Gastro-enteritis <i>Genito-urinary System.</i> Nephritis <i>Diseases of the Skin.</i> Gangrene of foot Total	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	2	1	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	—	6	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	—	14	18	—	3	5	8	9	10	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	1	32	33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	16	2	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	1	1	2	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	1	1	2	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	—	6	6	—	1	1	—	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	5	16	3	2	5	5	2	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
6	2	8	1	1	2	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
58	50	108	7	9	16	15	17	32	—	16	2	18	—	3	3	—	1	1	2	—	—	—	4	—	

TABLE 16. — *Causes of Death of Patients classified with Reference to Principal Psychoses — Concluded.*

CAUSE OF DEATH.	WITH OTHER SOMATIC DISEASES.			MANIC-DEPRESSIVE.			INVOLUTION MELANCHOLIA.			DEMENTIA PRÆCOX.			EPILEPTIC.			WITH PSYCHOPATHIC PERSONALITY.			WITH MENTAL DEFICIENCY.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>General Diseases.</i>																					
Carcinoma of intestine	1	1	1	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Carcinoma of liver	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
Carcinoma of stomach	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
Carcinoma of uterus	1	1	1	—	—	—	2	—	—	—	1	1	—	—	—	—	—	—	—	—	—
Erysipelas of face	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Fernicious anæmia	—	—	—	—	—	—	—	—	—	1	1	1	—	—	—	—	—	—	—	—	—
Tuberculosis, general	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculosis, pulmonary	—	—	—	—	—	—	—	—	—	—	—	4	—	—	—	—	—	—	—	—	—
<i>Nervous System.</i>																					
Cerebral hemorrhage	—	—	—	1	1	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Exhaustion following suicidal attempt	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Status epilepticus	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—
<i>Respiratory System.</i>																					
Broncho pneumonia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1
<i>Circulatory System.</i>																					
Cerebral thrombosis	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Myocarditis, acute	—	—	—	—	1	1	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Myocarditis, chronic	—	—	—	1	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Pericarditis, acute	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
<i>Digestive System.</i>																					
Gastro-enteritis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Genito-urinary System.</i>																					
Nephritis	3	—	3	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
<i>Diseases of the Skin.</i>																					
Gangrene of foot	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—
Total	3	2	5	3	5	8	3	2	5	4	7	11	—	1	1	1	1	—	1	—	1

TABLE 17. — Age of Patients at Time of Death classified with Reference to Principal Psychoses — Concluded.

PSYCHOSES.	45-49 YEARS.			50-54 YEARS.			55-59 YEARS.			60-64 YEARS.			65-69 YEARS.			70-74 YEARS.			75-79 YEARS.			OVER 80 YEARS.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis	7	-	-	1	2	3	-	-	-	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive	-	-	-	-	1	1	2	3	1	2	3	1	1	1	1	2	-	-	-	-	-	-	-	-
14. Involution melancholia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia precox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	8	-	8	2	4	6	6	3	9	8	5	13	9	4	13	4	2	6	6	8	14	8	14	22

TABLE 18.—*Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses.*

PSYCHOSES.	TOTAL.			LESS THAN 1 MONTH.			1-3 MONTHS.			4-7 MONTHS.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	7	9	16	—	—	—	4	1	5	—	2	2
3. With cerebral arteriosclerosis	15	17	32	5	2	7	3	7	10	3	1	4
4. General paralysis	16	2	18	6	—	6	1	—	1	2	1	3
5. With cerebral syphilis	—	3	3	—	—	—	—	1	1	—	2	2
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	1	1	—	—	—	—	—	—	—	1	1
8. With other brain or nervous diseases	1	1	2	—	—	—	—	1	1	—	—	—
9. Alcoholic	4	—	4	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	3	2	5	3	2	5	—	—	—	2	—	2
13. Manic-depressive	3	5	8	—	—	—	—	—	—	—	—	—
14. Involution melancholia	3	2	5	—	—	—	2	1	3	—	—	—
15. Dementia præcox	4	7	11	—	1	1	1	—	1	—	1	1
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic	—	1	1	—	—	—	—	—	—	—	—	—
18. Psychoneuroses	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	1	—	1	—	—	—	—	—	—	—	—	—
20. With mental deficiency	1	—	1	1	—	1	—	—	—	—	—	—
21. Undiagnosed	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	—	—
Total	58	50	108	15	5	20	11	11	22	7	8	15

TABLE 18.—*Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses — Continued.*

PSYCHOSES.	8-12 MONTHS.			1-2 YEARS.			3-4 YEARS.			5-10 YEARS.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	—	—	—	1	4	5	2	—	2	—	2	2
3. With cerebral arteriosclerosis	—	1	1	2	3	5	1	3	4	1	—	1
4. General paralysis	2	—	2	4	—	4	1	1	2	—	—	—
5. With cerebral syphilis	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	—	—	—	—	—	1	—	1	—	—	—
9. Alcoholic	—	—	—	2	—	2	—	—	—	2	—	2
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive	—	—	—	—	4	4	—	—	—	1	—	1
14. Involution melancholia	—	—	—	—	—	—	—	—	—	—	1	1
15. Dementia præcox	—	—	—	—	1	1	1	—	1	—	2	2
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic	—	—	—	—	—	—	—	1	1	—	—	—
18. Psychoneuroses	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	—	—	—	1	—	1	—	—	—	—	—	—
20. With mental deficiency	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	—	—
Total	2	1	3	10	12	22	6	5	11	4	5	9

TABLE 18. — *Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses — Concluded.*

PSYCHOSES.	10-15 YEARS.			15-20 YEARS.			20-30 YEARS.			30 YEARS AND OVER.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis	-	-	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	-	-	-	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive	-	-	-	1	1	-	-	-	-	-	-	-
14. Involution melancholia	-	-	-	1	1	-	-	-	-	-	-	-
15. Dementia præcox	-	-	-	-	-	-	1	-	1	1	2	3
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	1	1	2	1	-	1	1	2	3

TABLE 19. — *Family-care Department.*

	M.	F.	T.
Remaining Oct. 1, 1922	-	9	9
Committed within the year	-	-	-
Whole number of cases within the year	-	9	9
Dismissed within the year	-	-	-
Returned to institution	-	-	-
Discharged	-	-	-
Died	-	-	-
Escape	-	-	-
Remaining Sept. 30, 1923	-	9	9
Supported by State	-	7	7
Private	-	2	2
Self-supporting	-	-	-
Number of different persons within the year	-	9	9
Number of different persons admitted	-	-	-
Number of different persons dismissed	-	-	-
Daily average number	-	9	9
State	-	7	7
Private	-	2	2
Self-supporting	-	-	-



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The Commonwealth of Massachusetts.

ANNUAL REPORT

OF THE

TRUSTEES

OF THE

Northampton State Hospital

FOR THE

Year ending November 30, 1924

DEPARTMENT OF MENTAL DISEASES



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The Commonwealth of Massachusetts

TRUSTEES' REPORT

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The Trustees of the Northampton State Hospital herewith present their report of the affairs of the hospital for the year 1924.

The total number of patients cared for during the year was 1795, an increase of 50 over the number under treatment last year. The daily average number maintained was 1091 which is 37 more than last year. The accommodations of the hospital are not adequate for the maintenance of so large a number consequently the Department of Mental Diseases transferred 148 patients to other institutions in the eastern part of the State within the year. The relief thus afforded was however only temporary. To provide for more permanent relief in the future, the Legislature made appropriations in 1923 and 1924 for the erection of two ward buildings, one for men and one for women, each to accommodate a hundred patients. These buildings are now under construction and are expected to be ready for use in a few months.

Even with these buildings completed and in use further provision will still be needed for the mental cases of our district. This matter is now being studied by the Department of Mental Diseases in conjunction with our Board.

In addition to the usual repairs that are necessary in a group of buildings so old as ours there are certain special repairs and renewals that are needed and we request that the Legislature of 1925 make appropriations for the following purposes which have received the approval of the Department of Mental Diseases:

For an electric wire cable to supply the third halls, south, and the new building adjacent, \$271.00.

For an extension of the electric clock system, \$285.00.

For an extension of the nightwatchman's clock system, \$75.00.

For fire alarm boxes near the central switchboard and near the engine room, \$480.00.

For a sprinkler alarm valve for the shop building, \$450.00.

For a boiler feed pump governor, \$50.00

For a dumbwaiter pump governor, \$50.00

For an Orstat flue gas analyzer, \$41.00.

For baffles for the Heine boilers, \$365.00.

For a feed-water controller for No. 4 boiler, \$230.00.

For a reducing valve on the high pressure steam line to the basements, \$175.00.

For a coal crusher and sampler, \$365.00.

For a meter for the hot water service, \$230.00.

For repairs and improvements to the heating system in the south infirmary, \$600.00.

For repairs to the Ames engine, \$600.00.

For a hot water heater for No. 1 greenhouse, \$320.00.

For a machine grinder, \$165.00.

For automatic stops for dumbwaiters, \$350.00.

For a truck for a fire ladder, \$250.00.

For storm sash for the first halls, south, \$165.00.

For linen fire hose, \$360.00.

For repairs to buildings, \$6,369.00.

For laundry machinery, \$7,580.00.

For plumbing materials for employees' cottage, \$280.00.

For lumber to erect a bin for crushed stone, \$300.00.

For a boiler-flue cleaner, \$125.00.

On December 9, 1924 Dr. Bourgon left the service. His place was filled by the appointment of Dr. George L. Parker who came to our hospital on January 12, 1924 after a service of one year in the Springfield Hospital and four months in the Providence, R. I. Lying-in Hospital.

The trustees are grieved to record the loss of a valued member of our Board by death, Mr. Harry L. Howard who died on August 6. In the records of our August monthly meeting the following entry was made: "The Trustees note with regret the death of our fellow member, Harry L. Howard, of Hatfield. He was a very loyal member of the Board towards the hospital and its interests and always very active in whatever was for the betterment of its patients. His genial pleasant manner made a very pleasant part of our gatherings and he will be greatly missed at our meetings. He died at Hatfield on August 6, 1924."

Mr. Albert K. Darling of Sunderland was appointed by the Governor and Council to fill the vacancy caused by the death of Mr. Howard.

The reports of the superintendent and treasurer appended to ours will give a more detailed account of the affairs of the institution.

EDWARD C. GERE.

CHARLES W. KING.

EMILY N. NEWTON.

GEORGE C. LUNT.

CAROLINE A. YALE.

A. K. DARLING.

LUKE CORCORAN.

SUPERINTENDENT'S REPORT

To the Trustees of the Northampton State Hospital.

The Superintendent's report for the year ending November 30, 1924 is herewith respectfully submitted. The statistical tables which accompany it are for the twelve months period ending September 30, 1924.

MOVEMENT OF POPULATION.

On October 1, 1923 there were 1,336 patients recorded on our books as under our care, of whom 1,080 were in the hospital, 9 in family care, and 247 on visit or escape.

There were 459 patients admitted during the year making a total of 1,795 under our care—50 more than in 1923.

The number dismissed was 522, leaving 1,273 at the end of the year of whom, 1,059 were in the hospital, 11 in family care, and 203 on visit or escape.

The daily average number maintained was 1,091, an increase of 37 over the daily average for the year 1923. The largest number in the hospital on any one day was 1,119.

ADMISSIONS.

Of the total number of patients admitted 180 had been committed to our hospital before or to some other hospital for the care of the insane, 35 were admitted under temporary care or observation papers and were dismissed without being committed, and 346 were patients committed for the first time to any hospital. These latter are those considered in the statistical tables as "first admissions". Of these first admissions 122—35%—were foreign born, and 204—59%—were of foreign parentage.

The places of nativity of the foreign born were as follows: 27 in Ireland, 24 in Canada, 16 in Poland, 10 in Italy, 8 in Austria; 7 in Germany, 7 in Russia, 6 in England, 3 in France, 3 in Greece, 2 in Scotland, 2 in Hungary, 2 in Cape Verde Islands, and 1 each in Bohemia, China, Lithuania, Syria, and Turkey.

Many of the patients admitted were senile cases, 58 of the first admissions—17%—being over seventy years of age, 18 being over eighty years of age. The number of aged persons committed has increased year by year; this is due not to an actual increase in the number of old persons who become insane, it is believed, but to an increasing confidence and trust in our state institutions, thus leading to the commitment of patients who formerly would have been kept at home.

Of all cases admitted the leading forms of mental disease in points of number were dementia praecox in 124 cases, senile and arteriosclerotic psychoses in 73

cases, manic-depressive psychosis in 73 cases, alcoholic psychosis in 36 cases, general paralysis of the insane in 26 cases and somatic psychoses in 14 cases.

DISMISSALS.

Five hundred and twenty-two patients were dismissed during the year as follows: 242 were discharged, 148 were transferred to other hospitals in the Commonwealth, and 132 died.

Many patients were allowed to leave the hospital on trial visit, 181 being away from the hospital at the end of the year "on visit".

Eighty-eight of the patients were discharged as recovered, 115 as improved (some of whom went on to full recovery at home), 24 as unimproved and 15 as not insane. These latter included patients who were sent for observation and were judged by us not to have a clearly defined psychosis, and patients having some mental defect without psychosis.

Of those who died the principal causes of death were as follows: terminal changes due to old age, including chronic myocarditis, chronic nephritis and cerebral hemorrhage in 68 cases, general paralysis in 23 cases, pulmonary tuberculosis in 11 cases, carcinoma of various organs in 8 cases, cerebral embolism and thrombosis in 4 cases and diabetes mellitus in 2 cases.

Seventy-six of those who died—58%—were over sixty years of age, 15 of them being over eighty years old.

GENERAL HEALTH.

With the exception of several severe cases of influenza the general health throughout the hospital has been satisfactory.

In October a male nurse had an attack of diphtheria. He was quarantined and treated with antitoxin. All officers and nurses with whom he had come in contact and all the patients on his ward were given the Shick test. The test showed that 19 of 24 employees and 63 of 70 patients were immune to diphtheria. All cases who were susceptible were treated with antitoxin. Fortunately no other case occurred.

MEDICAL WORK.

A larger number of patients than ever before maintained, and a movement of population greater than in any previous year (there were nearly twelve hundred changes of patients coming and going) have made the past year a very busy one for the medical staff. The routine work alone is enough to employ their full time. There have been two vacancies on our staff for several years; it seems almost impossible to attract desirable and capable physicians to the service. If salary and living quarters were satisfactory more young physicians just out of general hospital internship might be induced to try our work and once a trial were made a certain number would be likely to continue in the service, but the rewards we are now allowed to offer apparently are not satisfactory to one who has given years to preliminary study, to the medical course and to postgraduate hospital training.

The usual analyses of blood, urine, sputum, and the like have been made.

All employees under sixty years of age receive a course of three inoculations of typhoid antitoxin as a matter of routine, and the same is given to all patients except those suffering from syphilis or nephritis.

Blood and spinal fluid tests for syphilis were made on 271 male and 490 female patients. There were 724 blood tests made. The findings were as follows: positive in 25 males and 13 females, negative in 225 males and 457 females. Spinal fluid findings in 37 cases were as follows: positive in 13 males and 9 females, negative in 8 males and 7 females. Thirty-two of these positive cases were given 309 treatments of sulpharsphenamine.

The dental report shows the following list of treatments: 410 amalgam fillings, 319 cement fillings, 66 synthetic fillings, 1 gutta percha filling, 1 gold inlay, 1 bridge, 749 cleanings, 298 extractions, 332 treatments, 3 plates made, 9 plates repaired, and 5 plates undergoing repair.

Lectures were given to classes from the Smith College School for Social Work to classes in Sociology and in Economics from Smith and Mt. Holyoke College and the International College at Springfield and to nurses from the Dickinson Hospital.

OUT-PATIENT DEPARTMENT.

The work of the out-patient department has been conducted by one physician whose whole time practically has been given to this service, assisted by a social worker and an assistant psychologist.

More cases have been presented at these clinics than ever before, at times requiring the services of two physicians.

Besides the weekly clinics held at Springfield, Greenfield, Pittsfield, and North Adams, the examination of cases at the Juvenile Court in Springfield has been continued each Friday. Other courts are now requesting the physicians' services with increasing frequency.

The work of the school clinic has been continued with a reduction in the number of cases examined, but with an increase in the number of re-examinations. Superintendents of schools and teachers report this work to be of great help to them in their estimation of what the retarded children are accomplishing. Cases are discussed by physician and teachers and the latter are encouraged on realizing that the child is doing all that his particular mind is capable of doing. Frequently conduct problems have arisen due to the child's having been forced beyond his mental powers. When the school authorities have realized the child's mental capacity and after the latter has been relieved of the strain of trying to keep up with the normal child, conduct disorders have disappeared and in several instances dismissal from school has been averted.

The number of persons seen at our various clinics may be summarized as follows: At our hospital clinics 274 patients reported, relatives and friends came to inquire in 462 cases and there were 71 consultations, a total of 807. There were 127 consultations outside the clinics, 125 cases referred by the courts and 531 cases at the school clinics, a total of 1,590 examinations, consultations and interviews.

The value of the work done at the juvenile courts is appreciated not only by the Department of Correction but by relatives of wayward children who bring them to the psychiatrist willingly, oftentimes before the case comes to court.

The social worker came in contact with 308 cases, of which number 215 were new cases referred by physicians to our attention. In these new cases the service involved the taking of histories in 104 cases, investigations in 32 cases, supervision of 165 cases and personal services to patients and their families in 15 cases. The problems involved were disease in 26 cases, sex in 15, environment in 38, personality in 18, educational in 3, legal in 5, and general problems in 60 cases.

The social worker made 724 visits as follows: 140 to patients on visit, 257 to relatives and friends, 35 to social agencies, 273 to others, and 19 to patients on the wards.

Patients in family care were regularly visited, 2 new patients being placed in families, 1 being replaced and 3 returned to the hospital. Seven boarding homes were investigated.

TRAINING SCHOOL FOR NURSES.

The number of pupil nurses in the training school is still small. The junior class began with two, both of whom completed their year on September 1 and entered the State Infirmary at Tewksbury for their affiliating course. The intermediate class completed their twelve months course in surgery, diseases of children and obstetrics at Tewksbury and returned to our hospital in September to complete their training here.

Our pupil nurses who go to Tewksbury value their experience there very highly, speaking in the highest terms of the instruction there and of their cordial and courteous reception by the officers of the Infirmary and by the members of their training school.

A course of instruction was carried on during the year for both our male and female attendants but much less comprehensive than the course for our nurses in training, and late in the year Dr. Rebekah B. Wright from the Department of

Mental Diseases gave us a course in hydrotherapy covering a period of three months. This course included conferences with the medical staff, talks to social service students, lectures to nurses and attendants on the physiological effects and therapeutic use of the wet pack sheet, the continuous bath and special applications of hot and cold water, tonic baths, the salt glow, tub shampoo, foot baths, fomentations, hot and cold applications to the spine and abdomen, the pail douche, and the like. These were supplemented by practical demonstrations to selected groups of two or three nurses over varying periods to ensure proficiency in the use of them.

Extensive use of packs and baths has been made by us since 1898 but Dr. Wright's instruction has been found very helpful, especially in the perfecting of method and in the recording of results on the daily reports devised by her.

ASSEMBLIES OF PATIENTS.

The therapeutic value of entertainments for the patients has always been recognized as ranking high and as usual our activities in this direction have been many and varied during the past year. Two religious services are held on each Lord's Day, one for Catholics, one for Protestants; moving pictures have been held on Monday evenings, and dances on Thursday evenings during the winter. Frequent gatherings for special purposes, as, concerts and amateur theatricals by outside talent, a Halloween party, sports on the "Fourth", a masquerade party at St. Valentine's time, observation of the holidays, especially Thanksgiving and Christmas. From a brilliantly decorated Christmas tree presents were distributed to all in the house. At the Christmas period the various halls throughout the institution were prettily decorated.

The number of formal assemblies during the year was 189 besides many informal gatherings.

OCCUPATIONAL AND INDUSTRIAL THERAPY.

Our quota of industrial teachers and occupational teachers is four, but we have had no head occupational therapist for more than a year. Those who are in the service are kept busy diverting the patients by means of various forms of activity, weaving, basketry, rug making, fancy needlework of all kinds, the making of tinware, brooms, clothing and underclothing, and many other things mentioned at length in previous reports. These activities are of value beyond estimation in the treatment of patients, contributing to their contentment and promoting their recovery. Patients in large numbers are employed in every department of the institution, in the housekeeping, in kitchens, dining rooms, laundry, sewing and mending rooms, in the shops, in the tailor house, in the gardens and orchards, on lawns, roadways and sidewalks, at the stables, barns and dairy, in the boiler rooms, in the storerooms, helping at cement work, in carpentry and electrical work. A list of work done in the industrial department follows: 182 pairs of shoes soled, 219 pairs of shoes heeled, 223 pairs of shoes patched, 510 mattresses made of old material, 178 mattresses made of new material, 269 pillows made of old material, 150 pillows made of new material, 57 chairs caned, 785 brooms made, 456 rag rugs made, 1,163 pairs of men's socks made, 159 pairs of overalls made, 37 pairs of wool trousers made, 162 baskets repaired, 14 new laundry baskets made, 72 chair cushions made, 9 couches upholstered, 12 settee cushions made.

FARM.

The farm was more profitable this year than last year despite a prolonged drought in the early weeks of summer.

About 230 tons of hay of good quality were harvested as a first crop, and about 75 tons green weight of first crop and of rowen were fed to the herd during the summer and early fall.

Ensilage corn matured slowly because of dry weather but with a favorable fall made a good yield. About 340 tons were cut into the silos.

Of green rye 60 tons were put into the silo for summer feeding.

Early potatoes planted on light land made a poor showing because of the lack of moisture, but the later varieties planted on the lower lands were benefitted by rains in time to make a good yield. The total crop was about 2,200 bushels, our requirements being about 4,100 bushels.

Early plantings of beets, carrots, chard and cabbage were practically failures but later plantings made unusually good yields helping to bring up our total productions to our needs.

Strawberries yielded well because of an improvised system of irrigation. Other small fruits produced a small yield for lack of water. A permanent system of pipes and sprinklers would prove of great benefit not only in the case of fruits but of most of our garden crops.

About 600 barrels of apples were gathered. This is one of our most valuable farm products and an increase in the productivity of our orchards is highly desirable. The apples we raised came largely from our newer orchards although a few of the older trees yielded well. Most of the latter are beyond the possibility of renovation. They should be replaced by new trees of standard varieties. During the year 100 young trees, Baldwins, Wealthy, and McIntosh were set out either as fillers to replace old trees or to start a new orchard.

Instead of spraying the apple trees as in previous years they were dusted with a new Niagara power duster purchased this year. The results were as satisfactory as, if not superior to, those obtained by spraying and was more easily done. The apples seemed fairer and to have fewer blemishes.

Our dairy is now in excellent condition. There are no animals that react to the tuberculin test. The reactors we had were disposed of and new animals were purchased to replace them. Ten heifers of our own raising freshened during the year and fifteen are now bred to freshen in 1925.

The two senior herd bulls were killed during the year in order to avoid inbreeding. Three bull calves and four heifer calves all of excellent breeding were sent to other State institutions.

The production of milk during the year surpassed the yield of any previous year, the herd maintaining on average production of 14,772 pounds per cow.

Several of the young cows raised on the farm have made excellent individual records. One gave 19,000 pounds.

A list of farm productions follows: 632 bbls. of apples, 4,284 lbs. of asparagus, 9,493 lbs. of string beans, 855 lbs. of shell beans, 51,306 lbs. of beets, 187 lbs. of beet greens, 73,552 lbs. of cabbage, 1,420 lbs. of cantaloupe, 23,835 lbs. of carrots, 8 lbs. of cauliflower, 7,342 lbs. of celery, 2,110 lbs. of Swiss chard, 909 lbs. of cherries, 19,810 lbs. of sweet corn, 317 tons of ensilage corn, 785 lbs. of currants, 8,319 lbs. of cucumbers, 742 lbs. of grapes, 446 tons of hay, 550 lbs. of lettuce, 722,399 lbs. of milk, 24,118 lbs. of onions, 5 lbs. of parsley, 8,175 lbs. of parsnips, 2,207 lbs. of green peas, 150 lbs. of peppers, 862 lbs. of plums, 280 lbs. of pears, 10,550 lbs. of pumpkins, 138,695 lbs. of potatoes, 110 lbs. of radish, 8,363 lbs. of rhubarb, 1,892 lbs. of scallions, 83 lbs. of spinach, 80,667 lbs. of squash, 4,346 qts. of strawberries, 6,750 lbs. of tomatoes, 11,355 lbs. of turnips.

The dairy barn has been thoroughly renovated during the year by the laying of a floor of cement and the installation of steel stanchions and individual drinking fountains. A DeLaval milking machine and three milking units were installed. This seemingly has had a tendency to increase the production of milk somewhat. Our milk is now clarified and pasteurized, consequently is as hygienic as seems possible to be produced.

About 40 cords of wood were produced (largely by the cutting down of our diseased chestnut trees), 50 poles were cut for electric transmission lines, and 25,000 feet of timber were obtained.

A large amount of stone was taken out of our fields and pastures and crushed for road making and cement work.

About 20 acres of land were reclaimed from the pastures for purposes of cultivation. The increase in our population makes necessary larger crops, consequently more land must be put under cultivation to allow a proper rotation of crops.

REPAIRS AND IMPROVEMENTS.

Much has been done throughout the institution in the way of repairs, of replacements and of improvements, the following being specially worthy of recording:

In order to increase the efficiency of the boilers and to prevent radiation of heat from the exposed portions of the boilers, rear doors were installed covering the

three Heine boilers, iron plates were fitted over the front water legs and angle irons around dampers and damper openings, and the brick work of the boiler settings was coated with bitumastic gum.

Gibby hand stokers were installed on all four boilers.

A CO₂ recording instrument made by the Uehling Instrument Company was installed

The section of main flue connecting the boilers with the chimney 11 feet long and 5 feet in diameter which had been in service since 1892 was replaced.

Steam mains and returns to the Earle building were renewed and covered; steam mains and returns to the laundry were renewed and covered; return steam pipes in the third south basement and from the south infirmary heating stack were renewed.

New heating coils were installed in the M I S and U I S dining rooms and in the cow stable.

A new 3" hot water supply pipe was laid from the boiler house to the laundry.

New water supply pipes were installed in the third halls, north and south.

Several hundred feet of 4" and 5" cast iron pipes were dug up in front of the buildings; this was pipe that formerly supplied the old fire hydrants and is available now for use elsewhere.

A lavatory bowl, two water closets and a shower bath were installed in the basement of the employees' dining room.

The female nurses' home and ten of the tenements occupied by employees were connected with the sewer recently laid by the city up West, Prince, Grove and Chapel Streets.

Hot water boilers were replaced in cottages No. 3 and No. 6, and plumbing fixtures in cottage No. 8.

The gutters at the north infirmary were filled in and slated over.

Twelve additional 2½-gallon chemical fire extinguishers were purchased.

A small electric drill for machine and electric work was purchased and a small motor driven blower for cleaning motors. Feeder cables for street lights and for the barn were placed in conduit under the engine room floor.

Installation of a switch board and transmission line to the stone crushing plant was completed.

Cables for the north infirmary were changed to the tunnel leading from the boiler room to the third halls.

Cottage No. 8 was wired for lighting.

A motor was installed on the milking machine and drinking fountains at the cow stables were piped

Seven new street-light poles were set, in cement foundations, two old ones were relocated and 1,000 feet of Simplex steel taped cable was laid.

Much cement work was laid including a new floor in the basement of the female nurses' home, a new floor in the cow stable (and iron stanchions set in same), 45 square yards of cement walk in front of the store house, five squares in the walk to the laundry and a cement floor in the garage under the hose house.

An ell to cottage No. 8 was plastered.

In many of the above projects patients helped largely in the unskilled labor.

There have been but few changes in the corps of officers. In December, Dr. Bourgon left the service and his place was filled by Dr. George L. Parker, who came in January. In August the dietitian Miss Rand left and her place was filled by the appointment of Miss F. A. M. Meyette.

I feel that all the members of our official family are giving loyal services and am pleased to express my gratitude to them for their untiring interest and co-operation.

To many friends who have given to the hospital money for various uses for the benefit of patients who have no relatives, presents for the Christmas tree, books and periodicals, also to the publishers of "The Messenger of the Sacred Heart", "The Christian Science Monitor" and "The Christian Leader" for free copies of their publications I give my heartfelt thanks.

Respectfully submitted,

JOHN A. HOUSTON, *Superintendent.*

VALUATION

NOVEMBER 30, 1924.

REAL ESTATE	
Land (513 acres)	\$127,553.75
Buildings	949,326.56
	\$1 076,880.31
PERSONAL PROPERTY	
Travel, Transportation and Office Expenses	\$1,593.23
Food	9,987.18
Clothing and Materials	17,465.38
Furnishings and Household Supplies	74,335.18
Medical and General Care	1,652.00
Heat, Light and Power	3,560.92
Farm	40,245.61
Garage, Stable and Grounds	7,330.11
Repairs	20,240.75
	\$176,390.36
SUMMARY	
Real Estate	\$1,076,880.31
Personal Property	176,390.36
	\$1,253,270.67

TREASURER'S REPORT

To the Department of Mental Diseases.

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1924.

CASH ACCOUNT	
Receipts	
<i>Income</i>	
Board of Inmates:	
Private	\$56,814.55
Reimbursements, insane	50,281.83
	\$107,096.38
Personal Services:	
Reimbursement from Board of Retirement	87.05
Sales:	
Travel, transportation and office expenses, telephones	\$2.00
Food	442.12
Clothing and materials	64.95
Farm:	
Cows and calves	\$198.00
Pigs and hogs	25.00
Hides	66.36
Sundries, barrels and bags	6.90
	296.26
Arts and crafts sales	216.72
	1,022.05
Miscellaneous:	
Interest on bank balances	\$1,042.71
Rent	652.50
	\$1,695.21
Total income	\$109,900.69
MAINTENANCE	
Balance from previous year brought forward	\$3,413.75
Additional for purchase of cows, and for personal services	8,314.99
Appropriation, current year	344,920.00
Total	\$356,648.74
Expenses (as analyzed below)	339,934.51
Balance reverting to Treasury of Commonwealth	\$16,714.23
Analysis of Expenses	
Personal services	\$162,093.43
Religious instruction	1,230.00
Travel, transportation and office expenses	5,565.45
Food	61,572.29
Clothing and materials	6,718.15
Furnishings and household supplies	20,948.03
Medical and general care	11,412.37
Heat, light and power	19,522.10
Farm	25,294.74
Garage, stable and grounds	3,051.42
Repairs, ordinary	12,281.51
Repairs and renewals	10,245.02
Total expenses for maintenance	\$339,934.51

SPECIAL APPROPRIATIONS	
Balance December 1, 1923	\$103,904.50
*Appropriations for current year	191,632.00
Total	\$295,536.50
*Expended during the year (see statement below)	137,816.21
Balance November 30, 1924, carried to next year	\$157,720.29

OBJECT	Act or Resolve	Whole Amount	Expended During Fiscal Year	Total Expended to Date	Balance at End of Year
*Two Ward Buildings	Chap. 126 '23	\$270,500.00	\$137,234.93	\$137,330.43	\$133,169.57
*Purchase Courtney Property	Chap. 126 '23	4,000.00			4,000.00
*Sewer Connections	Chap. 126 '23	600.00	581.28	581.28	18.72
*Additional Sprinklers	Chap. 126 '23	9,175.00			9,175.00
*Standpipes	Chap. 126 '23	2,757.00			2,757.00
*Additional Fire Protection	Chap. 126 '23	8,600.00			8,600.00
		\$295,632.00	\$137,816.21	\$137,911.71	\$157,720.29

*Balance reverting to Treasury of the Commonwealth.

PER CAPITA

During the year the average number of inmates has been 1,076.
Total cost for maintenance, \$339,934.51.
Equal to a weekly per capita cost of \$6.0755. (52 weeks to year.)
Receipt from sales, \$1,022.05.
Equal to a weekly per capita of \$0.0183.
All other institution receipts, \$108,878.64.
Equal to a weekly per capita of \$1.9459.
Net weekly per capita, \$4.1113.

Respectfully submitted
EVA L. GRAVES, *Treasurer*

STATISTICAL TABLES

AS ADOPTED BY AMERICAN PSYCHIATRIC ASSOCIATION.

PRESCRIBED BY MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES.

TABLE 1.—General Information.

1. Date of opening as an institution for the insane: Aug. 16, 1858.			
2. Type of institution: State.			
3. Hospital plant:			
Real estate, including buildings and betterments			\$0,000,000.00
Personal property			000,000.00
Total			\$0,000,000.00
Total acreage of hospital property: 513½.			
Acreage under cultivation during year: 145.			
4. Medical service:	Men	Women	Totals
Superintendents	1	—	—
Assistants physicians	2	3	5
Dentist	1	—	1
Medical internes	—	—	—
Clinical assistants	—	—	—
	4	3	7
5. Employees:			
Graduate nurses	—	4	4
Other nurses and attendants	36	27	63
Social workers	—	1	1
All other employees	46	35	81
	82	67	149
6. Percentage of patients employed during year	55.67	78.0	66.83

TABLE 2.—Financial Statement.

See treasurer's report for data requested under this table.

TABLE 4.—*Nativity of First Admissions and of Parents of First Admissions.*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	M.	F.	T.	M.	T.	T.
United States.....	110	114	224	64	63	127	74	78	152
Austria.....	7	1	8	8	8	16	2	2	4
Bohemia.....	1	—	1	1	1	2	—	—	—
Portugal.....	2	—	2	2	2	4	—	—	—
Canada.....	8	16	24	18	17	35	30	28	58
China.....	1	—	1	—	1	1	—	—	—
England.....	4	2	6	5	5	10	5	2	7
Finland.....	—	—	—	1	1	2	—	—	—
France.....	1	2	3	1	1	2	1	2	3
Germany.....	2	5	7	2	2	4	6	5	11
Greece.....	2	1	3	2	2	4	1	1	2
Hungary.....	2	—	2	2	2	4	—	—	—
Ireland.....	14	13	27	39	38	77	26	26	52
Italy.....	7	3	10	9	9	18	4	4	8
Lithuania.....	1	—	1	1	1	2	—	—	—
Poland.....	6	10	16	7	7	14	10	9	19
Russia.....	4	3	7	5	5	10	3	3	6
Scotland.....	1	1	2	3	3	6	5	5	10
Austria.....	—	—	—	1	1	2	1	2	3
Switzerland.....	—	—	—	—	—	—	1	—	1
Syria.....	—	1	1	—	—	—	1	1	2
Turkey in Europe.....	1	—	1	1	1	2	—	—	—
Total foreign born.....	64	58	122	108	107	215	96	90	186
Unascertained.....	—	—	—	2	4	6	2	4	6
Grand Total.....	174	172	346	174	174	348	172	172	344

TABLE 5.—*Citizenship of First Admissions.*

	MALE	FEMALE	TOTAL
Citizens by birth.....	110	114	224
Citizens by naturalization.....	22	20	42
Aliens.....	40	37	77
Citizenship unascertained.....	2	1	3
Total.....	174	172	346

TABLE 6.—*Psychoses of First Admissions.*

PSYCHOSES	M.	F.	T.	M.	F.	T.
1. Traumatic, total.....	—	—	—	2	1	3
a. Traumatic delirium.....	1	1	2	—	—	—
b. Traumatic constitution.....	1	—	1	—	—	—
2. Senile, total.....	—	—	—	24	25	49
a. Simple deterioration.....	9	6	15	—	—	—
b. Presbyophrenic type.....	5	3	8	—	—	—
c. Delirious and confused states.....	5	5	10	—	—	—
d. Depressed and agitated states.....	3	6	9	—	—	—
e. Paranoid type.....	2	5	7	—	—	—
3. With cerebral arteriosclerosis.....	—	—	—	12	13	25
4. General paralysis.....	—	—	—	15	7	22
5. With cerebral syphilis.....	—	—	—	—	3	3
6. With Huntington's chorea.....	—	—	—	—	1	1
7. With brain tumor.....	—	—	—	—	—	—
8. With other brain or nervous diseases, total.....	—	—	—	—	6	6
1. Cerebrospinal syphilis.....	—	4	4	—	—	—
2. Arthritis deformans.....	—	1	1	—	—	—
3. Undiagnosed.....	—	1	1	—	—	—
9. Alcoholic, total.....	—	—	—	28	2	30
b. Delirium tremens.....	1	—	1	—	—	—
d. Acute hallucinosis.....	16	—	16	—	—	—
e. Chronic hallucinosis.....	6	1	7	—	—	—
f. Acute paranoid.....	3	—	3	—	—	—
g. Chronic paranoid.....	2	1	3	—	—	—
10. Due to drugs and other exogenous toxins, total.....	—	—	—	—	—	—
i. th pellagra.....	—	—	—	—	—	—

TABLE 6.—*Psychoses of First Admissions—Concluded.*

	M.	F.	T.	M.	F.	T.
12. With other somatic diseases, total				7	7	14
<i>b.</i> Post infections psychosis	2	—	2			
<i>c.</i> Exhaustion delirium	—	3	3			
<i>d.</i> Delirium of unknown origin	1	1	2			
<i>e.</i> Cardio-renal disease	4	2	6			
<i>f.</i> Disease of the ductless glands	—	1	1			
13. Manic-depressive, total				14	37	51
<i>a.</i> Manic type	6	11	17			
<i>b.</i> Depressive type	5	15	20			
<i>c.</i> Stuporous type	2	2	4			
<i>d.</i> Mixed type	—	6	6			
<i>e.</i> Circular type	1	3	4			
14. Involution melancholia				1	5	6
15. Dementia praecox, total				47	40	87
<i>a.</i> Paranoid type	16	20	36			
<i>b.</i> Catatonic type	13	9	22			
<i>c.</i> Hebephrenic type	16	7	23			
<i>d.</i> Simple type	2	4	6			
16. Paranoia or paranoid conditions				—	—	—
17. Epileptic, total				1	1	2
<i>a.</i> Deterioration	1	—	1			
<i>b.</i> Clouded state	—	1	1			
18. Psychoneuroses and neuroses, total				1	2	3
<i>a.</i> Hysterical type	—	1	1			
<i>b.</i> Psychathenic type	1	—	1			
<i>d.</i> Anxiety neurosis	—	1	1			
19. With psychopathic personality				—	3	3
20. With mental deficiency				8	5	13
21. Undiagnosed				3	10	13
22. Without psychosis, total				11	4	15
<i>d.</i> Psychopathic personality without psychosis	2	2	4			
<i>e.</i> Mental deficiency without psychosis	8	2	10			
<i>f.</i> Defective delinquent	1	—	1			
Total				174	172	346

TABLE 7.—*Race of First Admissions classified with Reference to Psychoses.*

RACE	TOTAL			TRAUMATIC			SENILE			WITH CEREBRAL ARTERIOCLEROSIS			GENERAL PARALYSIS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Turkey	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
African	3	5	8	—	—	—	—	—	—	—	—	—	—	—	—
Chinese	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
English	4	3	7	—	—	—	—	—	—	2	—	2	1	—	1
Finnish	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
French	20	26	46	—	—	—	1	1	2	—	—	—	4	3	7
German	2	5	7	—	—	—	1	3	4	—	—	—	—	—	—
Greek	2	1	3	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew	1	1	2	—	—	—	—	—	—	—	1	1	—	—	—
Irish	43	28	71	1	—	1	9	6	15	4	3	7	4	2	6
Italian	9	4	13	—	—	—	—	—	—	—	—	—	—	—	—
Lithuanian	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Magyar	3	1	4	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
Scotch	2	6	8	—	—	—	—	1	1	—	—	—	1	—	1
Slavonic	20	13	33	—	—	—	—	—	—	—	—	—	2	—	2
Syrian	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	60	77	137	1	1	2	13	14	27	6	9	15	3	2	5
Total	174	172	346	2	1	3	24	25	49	12	13	25	15	7	22

TABLE 7.—*Race of First Admissions classified with Reference to Psychoses—Continued.*

RACE	CEREBRAL SYPHILIS			HUNTINGTON'S CHOREA			WITH OTHER BRAIN OR NERVOUS DISEASES			ALCOHOLIC			SOMATIC		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
African	-	-	-	-	-	-	-	-	-	2	-	2	1	-	1
Chinese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
English	-	-	-	-	-	-	1	1	-	-	-	-	1	1	2
Finnish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
French	-	2	2	-	-	-	-	2	2	5	1	6	1	1	2
German	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Greek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	-	-	-	-	-	-	-	-	-	7	-	7	-	1	1
Irish	-	-	-	-	-	-	-	-	-	2	-	2	1	-	1
Italian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lithuanian	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-
Magyar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scotch	-	-	-	-	-	-	1	1	-	1	-	1	-	-	-
Slavonic	-	-	-	-	-	-	-	-	-	7	1	8	1	-	1
Syrian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	-	1	1	-	1	1	-	2	2	2	-	2	2	3	5
Total	-	3	3	-	1	1	-	6	6	28	2	30	7	7	14

TABLE 7.—*Race of First Admissions classified with Reference to Psychoses—Continued.*

RACE	MANIC DEPRESSIVE			INVOLUTION MELANCHOLIA			DEMENCIA PRAECOX			EPILEPTIC			PSYCHO- NEUROSES		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Turkey	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
African	-	-	-	-	-	-	-	5	5	-	-	-	-	-	-
Chinese	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
English	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Finnish	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
French	1	7	8	-	-	-	4	4	8	-	1	1	-	1	1
German	-	1	1	-	-	-	1	1	2	-	-	-	-	-	-
Greek	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-
Hebrew	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Irish	5	5	10	-	-	-	8	8	16	-	-	-	1	-	1
Italian	1	2	3	-	-	-	4	1	5	-	-	-	-	-	-
Lithuanian	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Magyar	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-
Scandinavian	1	-	1	-	-	-	-	1	1	-	-	-	-	-	-
Scotch	-	2	2	-	-	-	-	1	1	-	-	-	-	-	-
Slavonic	1	9	10	-	-	-	6	3	9	-	-	-	-	-	-
Syrian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	4	11	15	1	5	6	17	15	32	1	-	1	-	1	1
Total	14	37	51	1	5	6	47	40	87	1	1	2	1	2	3

TABLE 7.—*Race of First Admissions classified with Reference to Psychoses—*
Concluded.

RACE	WITH PSYCHOPATHIC PERSONALITY			MENTAL DEFICIENCY			UNDIAGNOSED			WITHOUT PSYCHOSIS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Turkey	-	-	-	-	-	-	-	-	-	-	-	-
African	-	-	-	-	-	-	-	-	-	-	-	-
Chinese	-	-	-	-	-	-	-	-	-	-	-	-
English	-	-	-	-	-	-	-	1	1	-	-	-
Finnish	-	-	-	-	-	-	-	-	-	-	-	-
French	-	-	-	1	-	1	-	1	1	3	2	5
German	-	-	-	-	-	-	-	-	-	-	-	-
Greek	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	-	-	-	-	-	-	-	-	-	-	-	-
Irish	-	-	-	2	1	3	-	2	2	2	-	2
Italian	-	-	-	-	-	-	-	1	1	1	-	1
Lithuanian	-	-	-	-	-	-	-	-	-	-	-	-
Magyar	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian	-	-	-	-	-	-	-	-	-	-	-	-
Scotch	-	-	-	-	-	-	-	1	1	-	-	-
Slavonic	-	-	-	-	-	-	1	-	1	2	-	2
Syrian	-	1	1	-	-	-	-	-	-	-	-	-
Mixed	-	2	2	5	4	9	2	4	6	3	2	5
Total	-	3	3	8	5	13	3	10	13	11	4	15

TABLE 8.—*Age of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES	TOTAL			UNDER 15 YEARS			15-19 YEARS			20-24 YEARS			25-29 YEARS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	T.	T.
1. Traumatic	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	24	25	49	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	12	13	25	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis	15	7	22	-	-	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	6	6	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	28	2	30	-	-	-	-	-	-	-	-	-	1	-	1
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	7	7	14	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive	14	37	51	-	-	-	-	1	1	1	3	4	5	6	11
14. Involution melancholia	1	5	6	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia praecox	47	40	87	-	-	-	5	2	7	15	4	19	5	4	9
16. Paranoia and paranoic conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic	1	1	2	-	-	-	-	-	-	-	-	-	1	-	1
18. Psychoneuroses	1	2	3	-	-	-	1	-	1	-	-	-	-	-	-
19. With psychopathic personality	-	3	3	-	-	-	-	-	-	-	-	-	-	1	1
20. With mental deficiency	8	5	13	-	-	-	1	-	1	1	1	1	1	-	1
21. Undiagnosed	3	10	13	-	-	-	-	-	-	1	-	1	-	1	1
22. Without psychoses	11	4	15	-	-	-	2	-	2	-	2	2	-	1	1
Total	174	172	346	-	-	-	9	3	12	17	10	27	13	13	26

TABLE 8.—*Age of First Admissions classified with Reference to Principal Psychoses*
—Continued.

PSYCHOSES	30-34 YEARS			35-39 YEARS			40-44 YEARS			45-49 YEARS			50-54 YEARS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
2. Senile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis	2	2	4	3	-	3	5	2	7	2	-	2	1	-	1
5. With cerebral syphilis	-	-	-	-	1	1	-	1	1	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	-	-	-	-	1	1	-	-	-	-	2	2
9. Alcoholic	3	-	3	7	-	7	5	2	7	6	-	6	4	-	4
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	1	-	1	-	-	-	-	-	-	1	2	3	1	-	1
13. Manic-depressive	1	7	8	-	3	3	2	6	8	-	6	6	1	1	2
14. Involution melancholia	-	-	-	-	-	-	-	-	-	-	1	1	-	2	2
15. Dementia praecox	5	4	9	6	4	10	3	3	6	3	11	14	2	3	5
16. Paranoia and paranoic conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
18. Psychoneuroses	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1
19. With psychopathic personality	-	1	1	-	-	-	-	-	-	-	1	1	-	-	-
20. With mental deficiency	2	-	2	1	2	3	1	-	2	1	1	2	-	-	-
21. Undiagnosed	-	1	1	-	-	-	1	1	2	-	1	1	-	1	1
22. Without psychoses	-	-	-	3	1	4	3	-	3	1	-	1	-	-	-
Total	14	15	29	20	12	32	20	17	37	14	24	38	9	11	20

TABLE 8.—*Age of First Admissions classified with Reference to Principal Psychoses*
—Concluded.

PSYCHOSES	55-59 YEARS			60-64 YEARS			65-69 YEARS			70-74 YEARS			75-79 YEARS			OVER 80 YEARS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	1	-	1	2	1	3	4	6	10	4	4	8	9	5	14	4	9	13
3. With cerebral arteriosclerosis	-	-	-	2	-	2	1	1	2	-	4	4	6	6	12	3	2	5
4. General paralysis	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	2	2	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	1	-	1	1	4	5	1	1	2	1	-	1	-	-	-	-	-	-
13. Manic-depressive	1	3	4	2	-	2	1	1	2	-	-	-	-	-	-	-	-	-
14. Involution melancholia	1	-	1	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia praecox	-	1	1	3	3	6	-	1	1	-	-	-	-	-	-	-	-	-
16. Paranoia and paranoic conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed	-	2	2	1	2	3	-	-	-	1	1	-	-	-	-	-	-	-
22. Without psychoses	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	11	12	23	13	14	27	7	10	17	5	9	14	15	11	26	7	11	18

TABLE 9.—*Degree of Education of First Admissions classified with Reference to Psychoses.*

PSYCHOSES	TOTAL			ILLITERATE			READS AND WRITES			COMMON SCHOOL			HIGH SCHOOL			COLLEGE			UNACSE- TAINED			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
1. Traumatic	2	1	3	3	1	4	8	7	15	2	1	3	1	3	4	1	1	2	1	2	1	3
2. Senile	24	25	49	12	13	25	1	4	5	10	13	23	1	3	1	1	1	2	1	1	1	3
3. With cerebral arteriosclerosis	12	13	25	7	7	14	1	1	2	9	9	18	1	2	1	1	1	2	1	1	1	3
4. General paralysis	15	7	22	1	1	2	1	1	1	10	5	15	2	2	4	2	2	2	1	1	1	3
5. With cerebral syphilis	—	3	3	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	1	1	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	6	6	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	—
9. Alcoholia	28	2	30	5	—	5	14	1	15	9	1	10	—	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	7	7	14	1	1	2	3	—	—	3	4	7	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	14	37	51	1	3	3	3	7	10	5	17	22	5	10	15	1	1	2	1	1	1	3
13. Manic-depressive	1	5	6	—	—	—	—	—	—	1	1	2	1	1	2	4	4	4	1	1	1	3
14. Involution melancholia	47	40	87	1	2	3	12	7	19	25	21	46	3	10	13	4	2	2	1	1	1	3
15. Dementia praecox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16. Paranoia and paranoic conditions	—	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses	1	2	3	—	—	—	—	—	—	—	2	2	1	1	1	—	—	—	—	—	—	—
19. With psychopathic personality	8	5	13	2	1	3	3	2	5	3	3	6	1	1	1	—	—	—	—	—	—	—
20. With mental deficiency	3	10	13	1	—	1	1	1	1	1	1	3	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed	11	4	15	5	2	7	3	2	5	3	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	174	172	346	19	10	29	48	35	83	81	92	173	14	34	48	8	4	8	1	4	1	5

TABLE 10.—*Environment of First Admission classified with Reference to Principal Psychoses.*

PSYCHOSES	TOTAL			URBAN			RURAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	1	3	1	1	2	1	—	1
2. Senile	24	25	49	13	18	31	11	7	18
3. With cerebral arteriosclerosis	12	13	25	9	9	18	3	4	7
4. General paralysis	15	7	22	13	6	19	2	1	3
5. With cerebral syphilis	—	3	3	—	3	3	—	—	—
6. With Huntington's chorea	—	1	1	—	1	1	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	6	6	—	4	4	—	2	2
9. Alcoholic	28	2	30	21	—	21	7	2	9
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	7	7	14	6	5	11	1	2	3
13. Manic-depressive	14	37	51	8	29	37	6	8	14
14. Involution melancholia	1	5	6	1	4	5	—	1	1
15. Dementia praecox	47	40	87	29	33	62	18	7	25
16. Paranoia and paranoiac conditions	—	—	—	—	—	—	—	—	—
17. Epileptic	1	1	2	1	1	2	—	—	—
18. Psychoneuroses	1	2	3	1	2	3	—	—	—
19. With psychopathic personality	—	3	3	—	3	3	—	—	—
20. With mental deficiency	8	5	13	5	4	9	3	1	4
21. Undiagnosed	3	10	13	2	8	10	1	2	3
22. Without psychosis	11	4	15	6	3	9	5	1	6
Total	174	172	346	116	134	250	58	38	96

TABLE 11.—*Economic Condition of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES	TOTAL			DEPENDENT			MARGINAL			COMFORT- ABLE			UNASCER- TAINED		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	1	3	—	—	—	2	—	2	—	1	1	—	—	—
2. Senile	24	25	49	6	5	11	14	17	31	4	3	7	—	—	—
3. With cerebral arteriosclerosis	12	13	25	—	—	—	10	8	18	2	5	7	—	—	—
4. General paralysis	15	7	22	—	1	1	14	6	20	1	—	1	—	—	—
5. With cerebral syphilis	—	3	3	—	1	1	—	2	2	—	—	—	—	—	—
6. With Huntington's chorea	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	6	6	—	—	—	—	4	4	—	2	2	—	—	—
9. Alcoholic	28	2	30	1	—	1	27	2	29	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	7	7	14	—	—	—	6	4	10	1	3	4	—	—	—
13. Manic-depressive	14	37	51	—	—	—	11	30	41	3	7	10	—	—	—
14. Involution melancholia	1	5	6	—	1	1	1	2	3	—	2	2	—	—	—
15. Dementia praecox	47	40	87	1	3	3	42	30	72	5	7	12	—	—	—
16. Paranoia and paranoiac conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic	1	1	2	—	—	—	1	1	2	—	—	—	—	—	—
18. Psychoneurosis	1	2	3	—	1	1	1	—	1	—	1	1	—	—	—
19. With psychopathic personality	—	3	3	—	—	—	—	3	3	—	—	—	—	—	—
20. With mental deficiency	8	5	13	5	1	6	2	4	6	1	—	1	—	—	—
21. Undiagnosed	3	10	13	—	—	—	3	9	12	—	1	1	—	—	—
22. Without psychosis	11	4	15	1	1	2	10	3	13	—	—	—	—	—	—
Total	174	172	346	13	14	27	144	126	270	17	32	49	—	—	—

TABLE 12.—*Use of Alcohol by First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES	TOTAL			ABSTINENT			TEMPERATE			INTERMEDIATE			UNASCERTAINED		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	1	3	2	1	3	—	—	—	—	—	—	—	—	—
2. Senile	24	25	49	7	24	31	13	—	13	3	—	3	1	1	2
3. Cerebral arteriosclerosis	12	13	25	5	12	17	4	1	5	1	—	1	2	—	2
4. General paralysis	15	7	22	3	6	9	6	1	7	5	—	5	1	—	1
5. With cerebral syphilis	—	3	3	—	1	1	—	2	2	—	—	—	—	—	—
6. With Huntington's chorea	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	6	6	—	3	3	—	1	1	—	—	—	—	2	2
9. Alcoholic	28	2	30	—	—	—	—	—	—	28	2	30	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellegra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	7	7	14	1	7	8	2	—	2	4	—	4	—	—	—
13. Manic-depressive	14	37	51	6	36	42	5	1	6	3	—	3	—	—	—
14. Involution melancholia	1	5	6	1	5	6	—	—	—	—	—	—	—	—	—
15. Dementia praecox	47	40	87	26	38	64	16	2	18	5	—	5	—	—	—
16. Paranoia and paranoic conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic	1	1	2	1	1	2	—	—	—	—	—	—	—	—	—
18. Psychoneuroses	1	2	3	—	1	1	1	1	2	—	—	—	—	—	—
19. With psychopathic personality	—	3	3	—	2	2	—	1	1	—	—	—	—	—	—
20. With mental deficiency	8	5	13	5	5	10	1	—	1	2	—	2	—	—	—
21. Undiagnosed	3	10	13	2	8	10	—	2	2	1	—	1	—	—	—
22. Without psychosis	11	4	15	4	3	7	6	—	6	—	—	—	1	1	2
Total	174	172	346	63	154	217	54	12	66	52	2	54	5	4	9

TABLE 13.—*Marital Condition of First Admissions classified with Reference to Principal Psychoses.*

PSYCHOSES	TOTAL			SINGLE			MARRIED			WIDOWED			SEPARATED			DIVORCED			UNASCERTAINED		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1. Traumatic	2	1	3	6	5	11	2	3	2	6	17	1	—	—	—	1	—	—	—	—	—
2. Senile	24	25	49	—	—	—	10	3	13	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis.....	12	13	25	—	—	—	6	2	8	6	9	15	—	—	—	—	—	—	—	—	—
4. General paralysis	15	7	22	5	1	6	9	6	15	1	—	—	—	—	—	—	—	—	—	—	—
5. With cerebral evphalia	—	3	3	—	—	—	—	2	2	1	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	6	6	—	—	1	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic	28	2	30	6	—	6	14	2	10	7	—	3	7	—	—	1	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases.....	7	7	14	2	3	5	4	3	7	1	1	2	—	—	—	—	—	—	—	—	—
13. Manic-depressive	14	37	51	6	12	18	8	21	29	—	3	3	—	—	—	—	—	—	—	—	—
14. Involution melancholia	—	5	6	—	2	2	1	3	4	—	—	—	—	—	—	—	—	—	—	—	—
15. Dementia praeco	47	40	87	37	15	52	8	21	29	—	—	1	1	2	3	—	—	—	—	—	—
16. Paranoia and paranoic conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic	1	1	2	3	—	—	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses	1	2	3	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	—	3	3	—	1	1	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	8	5	13	7	5	12	1	2	1	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed	3	10	13	1	1	1	2	5	7	1	5	5	—	—	—	—	—	—	—	—	—
22. Without psychosis	11	4	15	9	2	11	1	—	1	1	—	1	—	—	—	1	1	1	—	—	—
Total	174	172	346	80	49	129	67	75	142	22	41	63	1	5	6	2	2	4	2	—	2

TABLE 14.—*Psychoses of Readmissions.*

PSYCHOSES		M.	F.	T.	M.	F.	T.
1.	Traumatic	—	—	—	—	—	—
2.	Senile, total	—	1	1	—	1	1
	<i>a.</i> Simple deterioration	—	—	—	—	—	—
3.	Cerebral arteriosclerosis	—	—	—	—	—	—
4.	General paralysis	—	1	1	—	1	1
5.	Cerebral syphilis	—	—	—	—	—	—
6.	Huntington's chorea	—	—	—	—	—	—
7.	Brain tumor	—	—	—	—	—	—
8.	With other brain or nervous diseases	—	—	—	—	—	—
9.	Alcoholic, total	4	2	6	4	2	6
	<i>d.</i> Acute hallucinosis	3	1	4	—	—	—
	<i>e.</i> Chronic hallucinosis	—	1	1	—	—	—
	<i>h.</i> Alcoholic deterioration	1	—	1	—	—	—
10.	Due to drugs and other exogenous toxins	—	—	—	—	—	—
11.	With pellagra	—	—	—	—	—	—
12.	With other somatic diseases	—	—	—	—	—	—
13.	Manic-depressive, total	8	14	22	8	14	22
	<i>a.</i> Manic type	5	6	11	—	—	—
	<i>b.</i> Depressive type	3	4	7	—	—	—
	<i>d.</i> Mixed type	—	2	2	—	—	—
	<i>e.</i> Circular type	—	2	2	—	—	—
14.	Involution melancholia	—	—	—	1	—	1
15.	Dementia praecox, total	20	17	37	20	17	37
	<i>a.</i> Paranoid	8	7	15	—	—	—
	<i>b.</i> Catatonic	4	7	11	—	—	—
	<i>c.</i> Hebephrenic	6	3	9	—	—	—
	<i>d.</i> Simple	2	—	2	—	—	—
16.	Paranoia and paranoid conditions	—	—	—	—	—	—
17.	Epileptic	—	—	—	—	—	—
18.	Psychoneuroses and neuroses	—	—	—	—	—	—
19.	With psychopathic personality	—	—	—	—	—	—
20.	With mental deficiency	1	1	2	1	1	2
21.	Undiagnosed	2	1	3	2	1	3
22.	Without psychosis	—	—	—	—	—	—
Total		36	37	73	36	37	73

TABLE 15.—*Discharge of Patients classified with Reference to Principal Psychose and Condition on Discharge.*

PSYCHOSES	TOTAL			RECOVERED			IMPROVED			UNIM- PROVED			NOT INSANE		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
2. Senile	—	4	4	—	—	—	—	3	3	—	1	1	—	—	—
3. With cerebral arteriosclerosis	3	1	4	—	—	—	2	1	3	1	—	1	—	—	—
4. General paralysis	1	2	3	—	—	—	1	1	2	—	1	1	—	—	—
5. With cerebral syphilis	—	4	4	—	—	—	—	4	4	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic	21	3	24	13	1	14	8	2	10	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	8	10	18	4	10	14	3	—	3	1	—	1	—	—	—
13. Manic-depressive	18	32	50	17	28	45	1	2	3	—	2	2	—	—	—
14. Involution melancholia	—	3	3	—	—	—	—	2	2	—	1	1	—	—	—
15. Dementia praecox	36	39	75	—	—	—	32	32	64	4	7	11	—	—	—
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic	1	1	2	—	—	—	—	1	1	1	—	1	—	—	—
18. Psychoneuroses	2	4	6	2	2	4	—	2	2	—	—	—	—	—	—
19. With psychopathic personality	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	4	2	6	—	—	—	4	—	4	—	2	2	—	—	—
21. Undiagnosed	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
22. Without psychosis	2	1	3	—	—	—	—	—	—	—	—	—	2	1	3
Total	98	107	205	37	42	79	52	50	102	7	14	21	2	1	3

TABLE 16.—*Causes of Death of Patients classified with Reference to Principal Psychoses.*

CAUSE OF DEATH	TOTAL			SENILE			WITH CEREBRAL ARTERIO-SCLEROSIS			GENERAL PARALYSIS			WITH CEREBRAL SYPHILIS			OTHER BRAIN OR NERVOUS DISEASES			ALCOHOLIC			WITH OTHER SOMATIC DISEASES			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
<i>General Diseases</i>																									
Acute alcoholism	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—
Arthritis deformans	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Carcinoma of breast	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Carcinoma of intestine	3	2	5	—	—	—	1	1	2	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—
Carcinoma of stomach	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diabetes mellitus	1	1	2	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Erysipelas	2	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Influenza	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Peritonitis abscess	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pulmonary tuberculosis	5	6	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—
<i>Nervous System</i>																									
Cerebral hemorrhage	16	8	24	8	1	9	7	5	12	—	—	—	1	1	2	—	—	—	—	—	—	—	—	—	—
Cerebral syphilis	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1	1	—	—	—	—	—	—	—	—	—
General paralysis	16	7	23	—	—	—	16	7	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Respiratory System</i>																									
Broncho-pneumonia	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—
<i>Circulatory System</i>																									
Cerebral embolus	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1	1	—	—	—	—	—	—	—	—	—
Cerebral thrombosis	—	4	4	—	—	—	—	2	2	—	—	—	—	2	2	2	—	—	—	—	—	—	—	—	—
Endocarditis and myocarditis	13	13	26	6	4	10	1	4	5	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—
Thrombosis of cavernous sinus	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Digestive System</i>																									
Acute appendicitis	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—
<i>Genito-urinary System</i>																									
Nephritis, acute	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	2
Nephritis, chronic	7	5	12	3	2	5	—	3	3	—	—	—	—	—	—	—	—	—	—	1	—	—	2	—	—
Pyelonephritic abscess	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Diseases of the Skin</i>																									
Gangrene	1	1	2	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	71	58	129	19	8	27	9	16	25	16	7	23	1	5	6	—	1	1	—	6	1	—	4	3	7

TABLE 16.—*Causes of Death of Patients classified with Reference to Principal Psychoses—Concluded.*

CAUSE OF DEATH	MANIC- DEPRESSIVE			INVOLUTION MELANCHOLIA			DEMENTIA PRAECOX			WITH MENTAL DEFICIENCY		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>General Diseases</i>												
Acute alcoholism	-	-	-	-	-	-	-	-	-	-	-	-
Arthritis deformans	-	-	-	-	-	-	-	-	-	-	-	-
Carcinoma of breast	-	-	-	-	-	-	-	-	-	-	-	-
Carcinoma of intestine	1	-	1	-	-	-	-	1	1	-	-	-
Carcinoma of stomach	-	-	-	-	-	-	-	1	1	-	-	-
Diabetes mellitus	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas	-	-	-	-	-	-	-	-	-	-	-	-
Influenza	-	-	-	-	-	-	1	-	1	-	-	-
Peritonitis abscess	-	1	1	-	-	-	-	-	-	-	-	-
Pulmonary tuberculosis	1	1	2	1	-	1	-	5	5	2	-	2
<i>Nervous System</i>												
Cerebral hemorrhage	-	-	-	-	1	1	-	-	-	-	-	-
Cerebral syphilis	-	-	-	-	-	-	-	-	-	-	-	-
General paralysis	-	-	-	-	-	-	-	-	-	-	-	-
<i>Respiratory System</i>												
Broncho-pneumonia	-	-	-	-	1	1	-	1	1	-	-	-
<i>Circulatory System</i>												
Cerebral embolus	-	-	-	-	-	-	-	-	-	-	-	-
Cerebral thrombosis	-	-	-	-	-	-	-	-	-	-	-	-
Endocarditis and myocarditis	3	-	3	1	-	1	2	3	5	-	1	1
Thrombosis of cavernous sinus	-	-	-	-	-	-	1	-	1	-	-	-
<i>Digestive System</i>												
Acute appendicitis	-	-	-	-	-	-	-	-	-	-	-	-
<i>Genito-urinary System</i>												
Nephritis, acute	-	1	1	-	-	-	-	-	-	-	-	-
Nephritis, chronic	1	-	1	-	-	-	-	-	-	-	-	-
Perinephritic abscess	-	-	-	-	-	-	1	-	1	-	-	-
<i>Diseases of the Skin</i>												
Gangrene	1	-	1	-	-	-	-	-	-	-	-	-
Total	7	3	10	2	2	4	5	11	16	2	1	3

TABLE 17.—Age of Patients at Time of Death classified with Reference to Principal Psychoses.

PSYCHOSES	TOTAL			UNDER 15 YEARS			15-19 YEARS			20-24 YEARS			25-29 YEARS			30-34 YEARS			35-39 YEARS			40-44 YEARS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	8	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	19	9	16	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	16	7	23	6	-	-	-	-	-	-	-	-	1	-	1	-	-	-	2	-	-	-	-	-
4. General paralysis	16	1	5	6	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	-	4	4
5. With cerebral syphilis	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
6. With Huntington's chorea	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	6	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	4	3	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	7	3	10	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
13. Manic-depressive	2	2	4	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
14. Involution melancholia	5	11	16	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3	-	2	-	-	2	2
15. Dementia praecox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	2	1	3	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1	-	-	-	-
20. With mental deficiency	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	71	58	129	-	-	-	1	1	2	-	-	-	2	-	2	2	2	4	7	-	-	5	7	12

TABLE 17.—Age of Patients at Time of Death classified with Reference to Principal Psychoses—Concluded.

PSYCHOSES	45-49 YEARS			50-54 YEARS			55-59 YEARS			60-64 YEARS			65-69 YEARS			70-74 YEARS			75-79 YEARS			OVER 80 YEARS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis	1	1	2	2	-	-	4	2	6	1	3	3	2	2	1	4	2	4	8	4	12	4	3	7
5. With cerebral syphilis	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	2	-	2	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	1	1	-	-	-	-	-	-	1	1	2	1	2	-	1	1	2	-	-	-	-	-	-
13. Manic-depressive	-	-	-	-	-	-	2	-	2	1	1	-	2	-	-	-	-	-	2	-	-	-	-	-
14. Involution melancholia	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia praecox	-	3	3	-	-	-	1	-	1	1	1	2	-	1	-	-	-	1	-	-	-	-	1	1
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	3	6	9	2	-	2	10	5	15	4	8	12	9	4	13	7	7	14	12	10	22	7	8	15

TABLE 18.—*Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses.*

PSYCHOSES	TOTAL			LESS THAN 1 MONTH			1-3 MONTHS			4-7 MONTHS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	19	8	27	6	3	9	6	1	7	4	1	5
3. With cerebral arteriosclerosis	9	16	25	-	4	4	-	3	3	3	4	7
4. General paralysis	16	7	23	1	2	3	2	2	4	-	1	1
5. With cerebral syphilis	1	5	6	-	2	2	1	-	1	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	1	1	-	-	-	-	-	-	-	1	1
9. Alcoholic	6	1	7	3	-	3	-	-	-	1	-	1
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	4	3	7	3	1	4	-	-	-	-	-	-
13. Manic-depressive	7	3	10	-	-	-	-	-	-	2	-	2
14. Involution melancholia	2	2	4	1	-	1	-	-	-	-	-	-
15. Dementia praecox	5	11	16	-	-	-	-	-	-	-	-	-
16. Paranoia and paranoic conditions	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	2	1	3	1	-	1	-	-	-	-	-	-
21. Undiagnosed	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-
Total	71	58	129	15	12	27	9	6	15	10	7	17

TABLE 18.—*Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses—Continued.*

PSYCHOSES	8-12 MONTHS			1-2 YEARS			3-4 YEARS			5-10 YEARS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	1	-	1	-	3	3	1	-	1	-	-	-
3. With cerebral arteriosclerosis	1	-	1	1	2	3	3	1	4	1	2	3
4. General paralysis	2	-	2	3	1	4	6	1	7	2	-	2
5. With cerebral syphilis	-	-	-	-	1	1	-	2	2	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	-	-	-	1	-	1	-	-	-	1	-	1
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	-	-	-	1	1	1	1	2	-	-	-
13. Manic-depressive	1	-	1	-	1	1	2	1	3	1	1	2
14. Involution melancholia	-	-	-	1	1	2	-	-	-	-	1	1
15. Dementia praecox	1	-	1	1	3	4	-	1	1	-	3	3
16. Paranoia and paranoic conditions	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	-	-	-	1	1	1	-	1	-	-	-
21. Undiagnosed	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-
Total	6	-	6	7	14	21	14	7	21	5	7	12

TABLE 18.—*Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses—Concluded.*

PSYCHOSES	10-15 YEARS			15-20 YEARS			20 YEARS AND OVER		
	M.	F.	T.	M.	F.	T.	F.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-
2. Senile	-	-	-	1	-	1	-	-	-
3. With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-
4. General paralysis	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	-	-	-	-	-	-
9. Alcoholic	-	-	-	-	1	1	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	-	-	-	-	-	-	-	-
13. Manic-depressive	1	-	1	-	-	-	-	-	-
14. Involution melancholia	-	-	-	-	-	-	-	-	-
15. Dementia praecox	1	2	3	-	2	2	2	-	2
16. Paranoia and paranoic conditions	-	-	-	-	-	-	-	-	-
17. Epileptic	-	-	-	-	-	-	-	-	-
18. Psychoneuroses	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	-	-	-	-	-	-	-	-
21. Undiagnosed	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	-	-
Total	2	2	4	1	3	4	2	-	2

TABLE 19.—*Family-care Department.*

	MALE	FEMALE	TOTAL
Remaining October 1, 1923	-	9	9
Committed within the year	-	4	4
Whole number of cases within the year	-	13	13
Dismissed within the year	-	3	3
Returned to institution	-	3	3
Discharged	-	2	2
Died	-	-	-
Escaped	-	-	-
Remaining September 30, 1924	-	11	11
Supported by State	-	8	8
Private	-	2	2
Self-supporting	-	1	1
Number of different persons within the year	-	13	13
Number of different persons admitted	-	4	4
Number of different persons dismissed	-	2	2
Daily average number	-	9.92	9.92
State	-	7.83	7.83
Private	-	2	2
Self-supporting	-	.006	.006

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The Commonwealth of Massachusetts

ANNUAL REPORT

OF THE

TRUSTEES

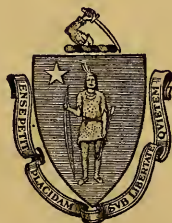
OF THE

NORTHAMPTON STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1929

DEPARTMENT OF MENTAL DISEASES



PUBLICATION OF THIS DOCUMENT APPROVED BY THE COMMISSION ON ADMINISTRATION AND FINANCE

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OCCUPATIONAL PRINTING PLANT
DEPARTMENT OF MENTAL DISEASES
GARDNER STATE COLONY
GARDNER, MASS.

NORTHAMPTON STATE HOSPITAL

TRUSTEES.

LAURENCE D. CHAPIN, M.D., Springfield.
MR. ALBERT M. DARLING, Sunderland.
MR. GEORGE C. LUNT, Greenfield.
MRS. EMILY N. NEWTON, *Secretary*, Wellesley Hills.
MISS CAROLINE A. YALE, Northampton.
MR. WALTER L. STEVENS, *Chairman*, Northampton.
MR. CHARLES W. KING, Chicopee Falls.

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D., *Superintendent*.
EDWARD W. WHITNEY, M.D., *Assistant Superintendent*.
HARRIET W. WHITNEY, M.D., *Senior Physician to Out-Patient and Social Service Departments*.
B. ANGELA BOBER, M.D., *Senior Physician*.
ELIZABETH KUNDERT, M.D., *Senior Physician*.
ELIZABETH THOMAS HILL, M.D., *Assistant Physician*.
HARRY J. HILL, M.D., *Assistant Physician*.
RUTH TUSTIN, M.D., *Assistant Physician*.
ALBERT BOURCIER, M.D., *Assistant Physician*.
CARL EMIL MEYER, M.D., *Assistant Physician*.
RHODA U. MUSGRAVE, M.D., *Assistant Physician*.
LUCIEN H. HARRIS, D.D.S., *Dentist*.
FRANK W. SMITH, *Steward*.

NON-RESIDENT OFFICERS.

MISS EVA L. GRAVES, *Chief Clerk and Treasurer (Office at the Hospital)*.

HEADS OF DEPARTMENTS.

MR. L. W. SINCLAIR, *Chief Engineer*.
MR. HARRY M. LEE, *Head Farmer*.
MISS ALICE E. BEDELL, R.N., *Superintendent of Nurses*.
MISS MARY W. KILLAM, *Psychiatric Social Worker*.
MISS VERA A. MATHIEU, *Head Occupational Therapist*.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council:

The Trustees of the Northampton State Hospital have the honor to present herewith their report for the year ending November 30, 1929.

The daily average number of patients was 1,389 as compared with 1,269 the previous year. The net weekly cost of maintenance was \$4.6967 per capita.

The Acting Superintendent's report gives in detail the activities of the medical and all other departments, including changes in the staff.

The following resolutions were presented to the Board by the committee appointed in May.

Whereas, in accordance with statute law, the Superintendent of this hospital, Dr. John A. Houston, retires in July 1929 of this year from the position which he has held so long.

Now, therefore, the Board of Trustees wishes to express its deep appreciation of Dr. Houston's singularly able and faithful service. Dr. Houston came to the Northampton State Hospital in 1889 as First Assistant Physician and was made Superintendent in 1897.

From that time on the history of the institution has been as embodiment of Dr. Houston's remarkable personality, which has left its impress on every phase of the work. To wide and exact medical knowledge, to a keen understanding of the problems of psychiatry based on an ever-widening experience, he added a distinguished executive ability, a dauntless initiative and steady fidelity to high ideals.

Still farther, the peculiarly human and sympathetic quality which has been shown in the treatment and methods pursued here, has, we feel, drawn its inspiration and its constantly renewed strength from Dr. Houston's personal attitude. To him a patient has always been an individual, not simply a case. Every patient admitted was personally known by him—so far as it was humanly possible—and it has always been his object to establish genuinely friendly relations between patients and the medical staff. That he has been so ably seconded by his staff in all his aims is a proof of his keen insight and judgment in the selection of men.

A renewal of the request for an appropriation to rebuild the recreation building, which was destroyed by fire, is made. This building is much missed by the male patients, who used it freely for recreation purposes, as well as a smoking room.

Our hospital population is growing rapidly and the acreage of land is too small to meet our present needs. It would, therefore, be desirable to provide for the purchase of additional land.

In a large institution there are always many repairs and replacements to be made. The more important of these, which were cared for during the past year, are mentioned in the Acting Superintendent's report.

Attention is called to the following outstanding items of repairs and renewals which should be made during the coming year:

Repairs to the plumbing in the South Infirmary, the North Infirmary and the First Halls South.

Additional drinking fountains.

Table saw for the carpenter shop.

Painting the iron fence surrounding the grounds.

Aluminum coffee urns.

Remodelling the third floor of the North Infirmary and the fourth floor of the South Infirmary to provide for the better care and treatment of patients, as well as for additional space for patients.

Dr. Elizabeth Kundert was appointed Senior Physician on June 3, 1929.

Dr. Rhoda U. Musgrave was appointed Assistant Physician on July 15, 1929 and Dr. Albert U. Bourcier was promoted to the position of Senior Physician on November 9, 1929.

Respectfully submitted,

MR. WALTER L. STEVENS, *Chairman*, Northampton

MRS. EMILY N. NEWTON, *Secretary*, Wellesley Hills

MR. CHARLES W. KING, Chicopee Falls

MR. ALBERT M. DARLING, Sunderland

MR. GEORGE C. LUNT, Greenfield

MISS CAROLINE A. YALE, Northampton

DR. LAURENCE D. CHAPIN, Springfield

Trustees.

ACTING SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital:

I herewith submit my report for the year 1929.

MOVEMENT OF POPULATION.

Number of patients on our books October 1, 1928 was 1,558. There were admitted during the year 552 patients, making a total of 2,110 under care and treatment during the year. There were discharged to their relatives or transferred to other institutions 267, and there were 164 deaths, leaving 1,679 on our books September 30, 1929, of which 1,416 were in the hospital and 263 were on visit or otherwise absent.

MEDICAL ACTIVITIES.

There were many changes on our staff during the past year. Dr. John Alexander Houston, Superintendent, having reached the age of 70, retired on

July 30, after forty years of service in this hospital, 32 years of which he served as superintendent. As yet no superintendent has been appointed to fill the vacancy.

Dr. B. Angela Bober, Senior Physician in charge of the female wards, left the service July 20. She has been on our staff since October 1, 1911.

Dr. Harry Hill, Assistant Physician, who came here September 28, 1926, left the service June 1, 1929, to enter private practice.

Dr. Elizabeth Thomas Hill, Assistant Physician, who joined our staff on October 16, 1923, retired on November 16, 1929, to enter private practice.

Dr. Carl Emil Meyer, Assistant Physician, was added to our staff May 20, 1929. He has resigned, his resignation to take effect in January, 1930.

Dr. Ruth Tustin, who entered the service as Assistant Physician on October 19, 1926, left the service May 31, 1929.

Dr. Elizabeth Kundert, on June 3, 1929, was appointed Senior Physician. She graduated from the Women's Medical School of Pennsylvania in 1926, entered the State service at Medfield State Hospital on August 17, 1926; was on the staff at the Belchertown State School from February 1, 1927, until she joined our staff.

Dr. Rhoda U. Musgrave was appointed Assistant Physician July 15, 1929. She graduated from the University of Nebraska Medical School in 1928 and served in the Alameda County Hospital in Oakland, California for one year.

Mr. Fred Aldrich, employed in this hospital for thirty years, seven of which he served as male supervisor, died in April, 1929.

Miss Susan E. Warren retired in May, 1929. She had been in State service since 1894 and had served as matron since June, 1905.

Mr. Thomas Claire, who was employed here as plumber since April 28, 1898, died in April, 1929.

Dr. Albert U. Bourcier, who has been assistant physician since June 1, 1927, was promoted to the position of senior physician on November 9, 1929.

As usual classes from the near-by colleges were given lectures on hospital economics and abnormal psychology. The classes from Smith College Summer School of Social Service came to the hospital twice a week during August.

Staff meetings had to be discontinued in October because of depletion of the staff.

Our dentist reports that there were 777 fillings, 386 teeth extracted, one new plate made and 56 repaired. Gums and teeth were treated in 526 cases. Crowns were cemented on in 10 cases.

OUT-PATIENT SERVICE.

Clinics are held once each month in Springfield, North Adams, Greenfield and Pittsfield. 175 patients, who were absent from the hospital on visit, reported at the clinics. Inquiries concerning 609 patients were made by their relatives. 44 patients were referred for advice by social agencies, 12 were referred by physicians, 4 by other institutions, 21 by relatives and 7 came of their own volition, making a total of 872.

The Out-Patient physician gave service of one day a week to the Juvenile Court in Springfield where 80 patients were examined. The Out-Patient physician, at the request of Dr. Overholser, visited jails in the three Western counties and gave psychometric tests to 32 prisoners.

The school clinic, consisting of a physician and psychologist, conducted examinations of retarded children in the schools of 29 towns. Of the 572 children examined, 344 were first examinations and 228 were re-examinations of children who were already in special classes or in whom diagnosis had been deferred at previous examinations. This gives a total of 1,556 individuals whose cases were handled by our Out-Patient Department.

SOCIAL SERVICE.

On April 1, 1929, Rhoda L. Smith was appointed assistant to Miss Killam, Social Worker.

During the year 278 new cases were given social service, in addition to all those renewed and continued from previous years. A total of 580 visits were made in

connection with supervision of patients.

The functioning of the department has been the same as in the past—obtaining histories of newly admitted patients, supervision of patients on visit, supervision of patients in family care and investigating home conditions before patients are discharged.

OCCUPATIONAL THERAPY AND INDUSTRIAL DEPARTMENTS.

Doris E. Montgomery, head occupational therapist, left the service on March 23, 1929, and Vera A. Mathieu, who was her assistant since March 1, 1928, was promoted to the position as head occupational therapist on July 15, 1929.

Classes were started in the sun room of A-4. for the patients in the A. and B. buildings. A very brief outline of the work done in the industrial and occupational therapy departments is as follows: 352 pairs of shoes soled; and 464 pairs heeled; 503 shoes patched; 286 mattresses made over from old material; 255 mattresses made over from new material; 204 pillows made over, old material; 160 pillows made over, new material; 32 chairs caned; 724 brooms made; 696 rag rugs woven; 108 jumpers made; 259 pairs of overalls made; 113 men's shirts made; 159 yards of cloth woven; 112 pairs of bed socks made; 1 hamper basket made; 14 settee cushions made; 8 couch covers made; 8 chair cushions made; 24 hydro pillows made; 26 laundry baskets made; 74 canvas mattresses made.

4,107 towels were hemmed; 1,157 pillow cases were made; 30 raffia waste baskets; 1,132 flour sacks hemmed; 591 crocheted and knitted face cloths; 7 pairs of crocheted bed room slippers; 1 knitted scarf; 96 pairs of cretonne curtains; 68 pairs of scrim curtains stencilled; 41 reed baskets made; 14 reed mats; 2 reed trays; 5 sweaters; 301 runners and stand covers; 12 cloth door pads; 7 holders; 1 reed window box; 1 dresser set; 51 valances; 7 hooked rugs; 37 sofa pillows.

ASSEMBLIES OF PATIENTS.

There were 173 assemblies of patients in the chapel during the year. These assemblies consisted of religious services, motion pictures, dances, parties, band and orchestra concerts, minstrels and plays.

During the summer evenings, a series of ball games was played for the championship of the hospital between teams composed of patients and employees, in which the patients were victors.

On retiring Dr. John A. Houston had installed on our organ a set of chimes. This organ was given to the hospital by a former superintendent, Dr. Edward B. Nims, when he retired in 1897.

A much needed curtain for the stage in the chapel was purchased with money willed to the hospital by the husband of a former patient.

Radios were installed in B 3, Upper First North, Middle First North and Upper First South.

B 2 and B 4 were opened and occupied by women patients in October and November, 1928.

A 2 and A 3 were occupied in April, 1929. A 4 will be opened as soon as we have a sufficient number of nurses.

Dining rooms were opened in A I and B I for patients in those buildings. Although the food is brought from the main kitchen, it is served hot as it is transported in vacuum carts.

Two new cottages were opened during the year, one being occupied by the steward and one by an assistant physician.

The new nurses' home for women attendants was opened in July, although it was not completely furnished until September. It is a well-planned building, pleasantly situated and tastily furnished and has many conveniences which add to the comforts of our nurses.

FARM.

The usual acreage of farm and garden crops were planted, but due to the extremely dry season, some of the crops as early potatoes, cabbage and onions

yielded only a partial tonnage. Had it not been for artificial sprinkling, the strawberries and turnips would have been nearly a failure.

The ensilage corn was planted early, came up quickly and yielded 408 tons of well-matured corn. This tonnage will carry the institution well into June when green feed will be available.

The hay crop (first cutting) was good, yielding 250 tons. The usual tonnage of second crop was a failure because of the drought. There was also cut nearly 100 tons of green hay for the dairy. The above tonnage is ample for the needs of the institution.

The yield of potatoes was less than normal. It is doubtful if a profitable crop of potatoes can be grown on the institution farm under the present tillage conditions.

Nearly every garden crop gave a maximum tonnage, as follows:

String beans, 12,375 lbs.; shell beans, 1,646 lbs.; beets, 44,507 lbs.; cabbage, 34,989 lbs.; carrots, 29,601 lbs.; celery, 3,592 lbs.; sweet corn, 32,812 lbs.; onions, 36,644 lbs.; parsnips, 3,164 lbs.; peas, 2,877 lbs.; pumpkins, 3,000 lbs.; squash, 38,068 lbs.; tomatoes, 38,511 lbs.; turnips, 37,508 lbs.; rhubarb, 11,405 lbs.; strawberries, 5,108 lbs.

The past season was not an apple year. The set was very light and the quality poor.

Poultry — Beginning the fiscal year there were 647 hens. 2,000 chicks were purchased. Total on hand at the end of the year, 748 hens. There were 2,204 lbs. of fowl used for food and 2,325 lbs. of broilers. 5,499 dozen of eggs were produced.

A new hen house was built, which was much needed for winter housing.

The swine made a very satisfactory showing. Although there were two slight out-breaks of cholera, over 40,000 lbs. of pork were produced and we had a much larger and better herd at the end of 1929. Also, the hospital again won the ton litter contest as in 1928.

The dairy is in a much better condition than for the past two years. The total yield of milk, 548,035 lbs., is somewhat lower per cow than in former years, due largely to breeding troubles in the past. Six cows were purchased, seven slaughtered for beef and two died. Nearly all the heifer calves are being raised to take the place of those cows that are no longer profitable. At the present time the herd consists of 100 head against 77 a year ago. A much better price has been obtained for the young calves.

About 800 tons of ice were harvested which was ample for the needs of the institution.

Several hundred loads of stone have been cleared from the different fields and drawn to the crusher for future road use.

The physical condition of the institution farm, as a whole, is much improved.

REPAIRS AND IMPROVEMENTS.

There were many repairs made which are necessary to keep the hospital running efficiently. The following is a brief list of some of the more important repairs, renewals and additions.

Installation of a doughnut machine and a new vegetable steamer in the main kitchen.

The hydrant system was extended to the New Nurses' Home and to the new cottages.

Pipes for gas were extended to Cottages, 2, 3, 4 and 5.

A steam heating system was installed in employees' Cottages 3, 4, 5, 7 and 10.

The installation of the new plumbing was completed in the toilets and bathrooms in the Earle Building.

New plumbing fixtures were installed in the toilets of the First Halls North.

The wiring of the attics of the ward buildings for electricity was completed.

The electric light fixtures were replaced in L.3. South.

A new electric central call station was installed in the hospital telephone room.

An underground conduit and cables were laid for electric lights and power from

the ice machine room to the main barn.

Cement floors were laid in the basement rooms of the Employees' Home South and basements of Cottages 4, 5 and 10.

A new concrete retaining wall was built on the north side of the New Nurses' Home.

The pond just south west of the New Nurses' Home was filled in.

A new concrete curbing was laid on one side of the road leading to the rear of the Main Building.

In behalf of the patients I wish to thank the numerous friends of the hospital for the gifts donated for their benefit — money, victrolas, candy, fruit, magazines and books.

I also wish to express my appreciation to the employees for their loyalty and cooperation given me in conducting the activities of the hospital pending the appointment of a new superintendent.

EDWARD W. WHITNEY,
Acting Superintendent.

VALUATION.

November 30, 1929.

REAL ESTATE.

Land, 513 acres	\$167,700.00
Buildings	1,720,539.46
	<u>\$1,888,239.46</u>

PERSONAL PROPERTY.

Travel, transportation and office expenses	\$2,281.10
Food	9,585.15
Clothing and materials	19,321.58
Furnishings and household supplies	75,711.35
Medical and general care	2,525.61
Heat, light and power	11,083.96
Farm	48,812.60
Garage, stables and grounds	7,242.50
Repairs	19,111.08
	<u>\$195,674.93</u>

SUMMARY.

Real estate	\$1,888,239.46
Personal property	195,674.93
	<u>\$2,083,914.39</u>

FINANCIAL REPORT.

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1929.

CASH ACCOUNT.

Receipts.

Income.	
Board of Patients	\$118,966.77
	<u>\$118,966.77</u>
Personal Services:	
Reimbursement from Board of Retirement	140.33
Sales:	
Food	\$ 97.32
Clothing and materials	124.65
Furnishings and household supplies	32.50
Medical and general care	88.51
Farm:	
Cows and calves	244.39
Hides	51.14
Wood	1.00
Sundries, barrels and bags	22.42
Garage, stable and grounds	1.04
Repairs, ordinary	75.96
Arts and Crafts sales	9.50
	<u>748.43</u>
Total sales	
Miscellaneous:	
Interest on bank balances	\$713.68
Rent	970.10
	<u>\$1,683.78</u>
Total income	<u>\$121,539.31</u>

MAINTENANCE.

Balance from previous year, brought forward	\$ 6,595.12
Appropriations, current year	499,000.00
Total	\$505,595.12
Expenses (as analyzed below)	460,772.92
Balance reverting to Treasury of Commonwealth	\$44,822.20
Analysis of Expenses.	
Personal services	\$223,656.88
Religious instruction	1,220.00
Travel, transportation and office expenses	5,972.45
Food	101,895.24
Clothing and materials	8,144.62
Furnishings and household supplies	24,746.77
Medical and general care	11,258.90
Heat, light and power	32,380.72
Farm	23,556.28
Garage, stable and grounds	3,430.73
Repairs, ordinary	14,815.66
Repairs and renewals	9,694.67
Total expenses for Maintenance	\$460,772.92

SPECIAL APPROPRIATIONS.

Balance December 1, 1928	\$17,059.65
Appropriations for current year	32,500.00
Total	\$49,559.65
Expended during the year (see statement below)	\$20,423.10
Reverting to Treasury of Commonwealth	18.54
Balance November 30, 1929, carried to next year	\$29,118.01

OBJECT.	Act or Resolve.	Whole. Amount.	Expended During Fiscal Year.	Total Expended To Date.	Balance at End of Year.
Ward Building	Ch. 138 '27	\$182,000.00	\$15,632.37	\$181,981.46	\$ 18.54*
Nurses' Home	Ch. 138 '27	141,275.00	1,408.74	141,275.00	
Furnishing Nurses' Home	Ch. 146 '29	10,000.00	3,381.99	3,381.99	6,618.01
Superintendent's House	Ch. 146 '29	22,500.00			22,500.00
		\$355,775.00	\$20,423.10	\$326,638.45	\$29,136.55

Balance reverting to Treasury of the Commonwealth during year (mark item with*)	\$18.54
Balance carried to next year	29,118.01
Total as above	\$29,136.55

PER CAPITA.

During the year the average number of inmates has been 1,389.
 Total cost for maintenance, \$460,772.92
 Equal to a weekly per capita cost of \$6.3794 (52 weeks to year).
 Receipt from sales, \$748.43.
 Equal to a weekly per capita cost of \$0.0098.
 All other institution receipts, \$120,790.88.
 Equal to a weekly per capita cost of \$1.6674.
 Net weekly per capita \$4.6967.

Respectfully submitted,

EVA L. GRAVES, *Treasurer.*

STATISTICAL TABLES.

As Adopted by American Psychiatric Association.
Prescribed by Massachusetts Department of Mental Diseases.

TABLE 1. *General Information.*

1. Date of opening as an institution for the insane: August 16, 1858.			
2. Type of institution: State.			
3. Hospital plant:			
Real estate, including buildings and betterments			\$1,888,239.46
Personal property			195,674.93
Total			\$2,083,914.39
Total acreage of hospital property: 513.			
Acreage under cultivation during year: 147.			
4. Medical Service:			
Superintendents	F.	M.	T.
Assistant physicians	1	—	1
Dentist	4	6	10
	1	—	1
Total physicians	6	6	12
5. Employees:			
Graduate nurses	—	5	5
Other nurses and attendants	59	52	111
Social workers	—	2	2
All other employees	73	50	123
	132	109	241
Percentage of patients employed during year	54.2	64.8	59.5

NOTE: — The following items, 5 to 9, inclusive, are for the year ended September 30, 1929.

6. Census of patient population at end of year:

	Actually in Hospital.			Absent from Hospital but Still on Books.		
	M.	F.	T.	M.	F.	T.
White:						
Insane	617	739	1,356	107	149	256
Epileptics	1	—	1	—	—	—
Mental defectives	24	18	42	1	2	3
All other cases	—	4	4	1	1	2
Total	642	761	1,403	109	152	261
Other races:						
Insane	9	4	13	1	1	2
Total	9	4	13	1	1	2
Grand Total	651	765	1,416	110	153	263

	M.	F.	T.
7. Patients under treatment in occupational therapy classes, including physical training, on date of report	9	130	139
8. Other patients employed in general work of hospital on date of report	336	340	676
9. Average daily number of all patients actually in hospital during year	640	732	1,372
10. Voluntary patients admitted during year	4	6	10
11. Persons given advice or treatment in out-patient clinics during year	327	188	515

TABLE 2. *Financial Statement*

See treasurer's report for data requested under this table.

NOTE:—The following tables 3—19, inclusive, are for the statistical year ended September 30, 1929.

TABLE 3. *Movement of Patient Population.*

	INSANE.			VOLUNTARY.			TEMPORARY CARE AND OBSERVATION.			TOTAL ON BOOKS.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Patients on books of institution September 30, 1928 .	696	847	1,543	4	1	5	8	2	10	708	850	1,558
Admissions during year:												
First admissions	214	183	397	1	3	4	37	15	52	252	201	453
Readmissions	35	51	86	3	3	6	—	1	1	38	55	93
Transfers from other hospitals for mental diseases .	3	3	6	—	—	—	—	—	—	3	3	6
Total received during year	252	237	489	4	6	10	37	16	53	293	259	552
Total on books during year	948	1,084	2,032	8	7	15	45	18	63	1,001	1,109	2,110
Discharged from books during year:												
As recovered	37	18	55	—	4	4	12	3	15	49	25	74
As improved	41	64	105	2	—	2	3	3	6	46	67	113
As unimproved	14	14	28	2	2	4	3	4	7	19	20	39
As without psychosis	5	6	11	—	—	—	12	3	15	17	9	26
Transferred to other hospitals for mental diseases .	13	1	14	—	—	—	1	—	1	14	1	15
Died during the year	89	66	155	—	1	1	6	2	8	95	69	164
Total discharged, transferred, and died during year .	199	169	368	4	7	11	37	15	52	240	191	431
Insane patients remaining on books at end of hospital year:												
In hospital	640	762	1,402	4	—	4	7	3	10	651	765	1,416
On parole or otherwise absent	109	153	262	—	—	—	1	—	1	110	153	263
Total	749	915	1,664	4	—	4	8	3	11	761	918	1,679

TABLE 4. *Nativity of First Admissions and of Parents of First Admissions.*

NATIVITY.	PATIENTS.			PARENTS OF MALE PATIENTS.			PARENTS OF FEMALE PATIENTS.		
	M.	F.	T.	Fathers.	Mothers.	Both Parents.	Fathers.	Mothers.	Both Parents.
United States	136	119	255	71	73	59	65	73	62
Austria	3	2	5	5	3	3	3	3	3
Belgium	1	—	1	1	1	1	—	—	—
Canada ¹	14	10	24	31	27	24	16	13	10
England	2	3	5	5	7	3	9	6	5
France	1	—	1	1	1	1	1	—	—
Germany	5	3	8	6	6	6	5	5	4
Greece	3	—	3	3	3	3	—	—	—
India	—	1	1	—	—	—	—	—	—
Ireland	13	17	30	38	41	35	38	41	37
Italy	6	4	10	7	8	7	8	6	6
Mexico	1	—	1	1	1	1	—	—	—
Norway	1	—	1	2	1	1	—	—	—
Poland	12	12	24	17	17	17	15	15	15
Roumania	—	—	—	—	—	—	1	—	—
Russia	9	2	11	10	10	10	3	4	3
Scotland	2	3	5	4	3	2	6	4	4
South America	—	1	1	—	—	—	—	—	—
Spain	1	—	1	1	1	1	—	—	—
Sweden	3	3	6	2	3	2	4	4	4
Other countries	—	1	1	—	—	—	1	—	—
Unascertained	1	2	3	9	8	5	8	9	8
Total	214	183	397	214	214	181	183	183	161

¹Includes Newfoundland.

TABLE 4-A. Age of First Admissions Classified with Reference to Nativity, and Length of Residence in the United States of the Foreign Born.

AGE GROUPS.	NATIVE BORN.										FOREIGN BORN.										Nativity unascertained.				
	Aggregate.				PARENTAGE.						TIME IN UNITED STATES BEFORE ADMISSION.														
																	Total.								
	Native.		Foreign.		Mixed.		Unascertained.																		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	Under 5 years.	5-9 years.	10-14 years.	15 years and over.	Unascertained.		M.	F.	T.	
Under 15 years	7	1	1	2	5	1	4	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
15-19 years	16	15	31	12	12	24	7	3	10	4	2	3	5	8	1	1	2	3	3	3	3	3	3	3	
20-24 years	18	10	28	13	12	25	4	2	10	4	3	3	5	8	1	1	2	3	3	3	3	3	3	3	
25-29 years	17	16	33	11	8	19	5	4	9	2	3	5	8	1	1	2	3	3	3	3	3	3	3	3	
30-34 years	23	18	41	11	12	23	7	5	4	9	2	3	5	8	1	1	2	3	3	3	3	3	3	3	
35-39 years	24	13	37	16	7	23	6	4	10	5	1	6	2	2	1	1	2	3	3	3	3	3	3	3	
40-44 years	13	21	34	17	12	29	3	6	9	3	4	7	1	1	2	3	3	3	3	3	3	3	3	3	
45-49 years	24	14	38	13	9	22	5	6	11	6	2	8	2	1	1	2	3	3	3	3	3	3	3	3	
50-54 years	9	18	27	4	10	14	2	6	8	2	1	3	1	1	2	3	3	3	3	3	3	3	3	3	
55-59 years	13	10	23	9	5	14	4	4	8	2	1	3	3	1	1	2	3	3	3	3	3	3	3	3	
60-64 years	11	18	29	5	13	18	1	7	8	2	4	6	2	2	2	3	3	3	3	3	3	3	3	3	
65-69 years	39	24	63	26	17	43	17	13	30	3	4	6	2	1	1	2	3	3	3	3	3	3	3	3	
70 years and over	214	183	397	136	119	255	58	62	120	44	32	76	30	18	48	4	7	11	78	64	142	1	1	1	1
Total	214	183	397	136	119	255	58	62	120	44	32	76	30	18	48	4	7	11	78	64	142	1	1	1	1

TABLE 5. *Citizenship of First Admissions.*

	Males	Females	Total
Citizens by birth	136	119	255
Citizens by naturalization	33	19	52
Aliens	41	28	69
Citizenship unascertained	4	17	21
Total	214	183	397

TABLE 6. *Psychoses of First Admissions.*

PSYCHOSES.	M.	F.	T.	M.	F.	T.
1. Traumatic psychoses				1	-	1
2. Senile psychoses				4	13	17
3. Psychoses with cerebral arteriosclerosis				39	22	61
4. General paralysis				20	4	24
5. Psychoses with cerebral syphilis				-	1	1
6. Psychoses with Huntington's chorea				-	-	-
7. Psychoses with brain tumor				-	1	1
8. Psychoses with other brain or nervous diseases, total				4	4	8
Cerebral embolism	-	1	1			
Meningitis, tubercular or other forms	-	-	-			
Multiple sclerosis	1	-	1			
Other diseases	3	3	6			
9. Alcoholic psychoses, total				41	3	44
Delirium tremens	1	-	1			
Korsakow's psychosis	2	1	3			
Acute hallucinosis	24	1	25			
Other types, acute or chronic	14	1	15			
10. Psychoses due to drugs and other exogenous toxins, total				-	-	-
11. Psychoses with pellagra				-	1	1
12. Psychoses with other somatic diseases, total				9	17	26
Post-infectious psychosis	1	1	2			
Exhaustion delirium	1	5	6			
Delirium of unknown origin	-	2	2			
Cardio-renal diseases	4	5	9			
Other diseases or conditions	3	4	7			
13. Manic-depressive psychoses, total				28	36	64
Manic type	20	13	33			
Depressive type	7	22	29			
Other types	1	1	2			
14. Involution melancholia				13	6	19
15. Dementia praecox (schizophrenia)				41	55	96
16. Paranoia and paranoid conditions				-	-	-
17. Epileptic psychoses				1	2	3
18. Psychoneuroses and neuroses, total				-	6	6
Hysterical type	-	1	1			
Psychasthenic type (anxiety and obsessive forms)	-	1	1			
Neurasthenic type	-	1	1			
Other types	-	3	3			
19. Psychoses with psychopathic personality				-	1	1
20. Psychoses with mental deficiency				6	10	16
21. Undiagnosed psychoses				-	-	-
22. Without psychosis, total				7	1	8
Epilepsy without psychosis	1	-	1			
Drug addiction without psychosis	1	-	1			
Mental deficiency without psychosis	4	-	4			
Others	1	1	2			
Total				214	183	397

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses.*

RACE.	Total.			Traumatic.			Senile.			With cerebral arterio-sclerosis.			General paralysis.			With cerebral syphilis.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	10	—	10	—	—	—	1	—	1	—	—	—	4	—	4	—	—	—
Dutch and Flemish	3	—	3	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
English	31	33	64	—	—	—	2	7	9	13	4	17	2	—	2	—	—	—
French	28	15	43	—	—	—	—	—	—	4	3	7	2	1	3	—	—	—
German	8	4	12	—	—	—	—	—	—	2	1	3	1	—	1	—	—	—
Greek	3	—	3	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Hebrew	3	4	7	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Irish	43	41	84	—	—	—	4	4	—	9	3	12	3	1	4	—	—	—
Italian ¹	8	7	15	1	—	1	—	—	—	—	1	1	2	—	2	—	—	—
Lithuanian	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mexican	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Roumanian	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian ²	4	4	8	—	—	—	—	—	—	1	1	2	1	—	1	—	—	—
Scotch	5	8	13	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—
Slavonic ³	23	16	39	—	—	—	—	—	—	—	—	—	2	—	2	—	—	—
Spanish	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	34	49	83	—	—	—	1	2	3	7	7	14	2	2	4	—	1	1
Race unascertained	7	1	8	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Total	214	183	397	1	—	1	4	13	17	39	22	61	20	4	24	—	1	1

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued.*

RACE.	With Huntington's chorea.			With brain tumor.			With other brain or nervous diseases.			Alcoholic.			Due to drugs and other exogenous toxins.			With pellagra.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Dutch and Flemish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	—	—	—	—	—	—	1	—	1	1	—	1	—	—	—	—	—	—
French	—	—	—	—	—	—	1	—	1	6	1	7	—	—	—	—	—	—
German	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Greek	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Irish	—	—	—	—	1	1	—	1	1	11	2	13	—	—	—	—	—	—
Italian ¹	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Lithuanian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mexican	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Roumanian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian ²	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Scotch	—	—	—	—	—	—	—	—	—	2	—	2	—	—	—	—	—	—
Slavonic ³	—	—	—	—	—	—	1	—	1	10	—	10	—	—	—	—	—	—
Spanish	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Mixed	—	—	—	—	—	—	—	3	3	6	—	6	—	—	—	—	1	1
Race unascertained	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Total	—	—	—	—	1	1	4	4	8	41	3	44	—	—	—	—	1	1

3 Norwegians, Danes and Swedes.

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued.*

RACE.	With other somatic diseases.			Manic- depressive.			Involution melan- cholia.			Dementia praecox.			Paranoia and paranoid conditions.			Epileptic psychoses.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	2	—	2	1	—	1	1	—	1	—	—	—	—	—	—
Dutch and Flemish	—	—	—	—	—	—	—	—	—	2	—	2	—	—	—	—	—	—
English	1	5	6	2	6	8	1	1	2	4	8	12	—	—	—	—	—	—
French	—	2	2	5	2	7	2	1	3	5	4	9	—	—	—	—	—	—
German	1	1	2	1	1	2	1	—	1	1	1	2	—	—	—	—	—	—
Greek	—	—	—	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
Hebrew	—	—	—	2	2	4	—	—	—	—	2	2	—	—	—	—	—	—
Irish	4	3	7	7	7	14	4	1	5	5	14	19	—	—	—	—	—	—
Italian ¹	—	1	1	1	1	2	—	1	1	3	1	4	—	—	—	—	—	—
Lithuanian	—	—	—	—	—	—	—	—	—	2	—	2	—	—	—	—	—	—
Mexican	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Roumanian	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian ²	—	1	1	1	1	2	—	—	—	—	1	1	—	—	—	—	—	—
Scotch	1	1	2	1	1	2	—	—	—	1	3	4	—	—	—	—	1	1
Slavonic ³	1	1	2	1	7	8	2	—	2	6	7	13	—	—	—	—	—	—
Spanish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	1	2	3	3	6	9	1	2	3	7	14	21	—	—	—	1	1	2
Race unascertained	—	—	—	1	1	2	1	—	1	3	—	3	—	—	—	—	—	—
Total	9	17	26	28	36	64	13	6	19	41	55	96	—	—	—	1	2	3

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded.*

RACE:	Psycho- neuroses and neuroses.			With psycho- pathic personality.			With mental deficiency.			Un- diagnosed psychoses.			Without psychosis.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dutch and Flemish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	—	—	—	—	1	1	1	1	2	—	—	—	3	—	3
French	—	—	1	1	—	—	1	—	1	—	—	—	2	—	2
German	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Greek	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Irish	—	2	2	—	—	—	—	2	2	—	—	—	—	—	—
Italian ¹	—	—	—	—	—	—	—	1	1	—	—	—	—	1	1
Lithuanian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mexican	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Roumanian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian ²	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scotch	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic ³	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—
Spanish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	—	3	3	—	—	—	3	5	8	—	—	—	2	—	2
Race unascertained	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	6	6	—	1	1	6	10	16	—	—	—	7	1	8

3 Norwegians, Danes and Swedes.

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES.	Total			Under 15 years.			15-19 years.			20-24 years.			25-29 years.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
2. Senile	4	13	17	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	39	22	61	—	—	—	—	—	—	—	—	—	—	—	—
4. General paralysis	20	4	24	—	—	—	—	—	—	—	—	—	1	—	1
5. With cerebral syphilis	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	4	4	8	—	—	—	—	—	—	1	1	—	—	1	1
9. Alcoholic	41	3	44	—	—	—	—	—	—	—	—	—	1	—	1
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	9	17	26	—	1	1	—	—	—	1	1	—	—	1	1
13. Manic-depressive	28	36	64	—	—	—	1	3	4	5	2	7	4	—	4
14. Involution melancholia	13	6	19	—	—	—	—	—	—	—	—	—	—	—	—
15. Dementia praecox	41	55	96	—	—	—	5	2	7	9	10	19	8	5	13
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	1	2	3	—	—	—	—	—	—	—	—	—	1	—	1
18. Psychoneuroses and neuroses	—	6	6	—	—	—	—	—	—	1	1	—	—	1	1
19. With psychopathic personality	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	6	10	16	—	—	—	1	—	1	—	—	—	2	2	4
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	7	1	8	—	—	—	—	—	—	1	—	1	1	—	1
Total	214	183	397	—	1	1	7	5	12	16	15	31	18	10	28

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued.*

PSYCHOSES.	30-34 years.			35-39 years.			40-44 years.			45-49 years.			50-54 years.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. General paralysis	3	—	3	3	—	3	3	1	4	4	2	6	3	—	3
5. With cerebral syphilis	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—
8. With other brain or nervous diseases	1	—	1	—	—	—	1	—	1	—	—	—	1	—	1
9. Alcoholic	4	1	5	8	—	8	8	—	8	4	1	5	9	1	10
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	1	—	1	—	3	3	1	3	4
12. With other somatic diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive	1	6	7	2	8	10	3	7	10	2	3	5	5	5	10
14. Involution melancholia	—	—	—	—	—	—	2	—	2	2	—	2	4	—	4
15. Dementia praecox	7	6	13	7	8	15	3	2	5	1	10	11	1	4	5
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	—	—	—	—	—	—	—	2	2	—	—	—	—	—	—
18. Psychoneuroses and neuroses	—	—	—	—	1	1	—	—	—	—	—	—	—	1	1
19. With psychopathic personality	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	1	2	3	2	—	2	—	1	1	1	1	—	—	—	—
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	1	1	1	—	1	3	—	3	—	—	—	—	—	—
Total	17	16	33	23	18	41	24	13	37	13	21	34	24	14	38

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded.*

PSYCHOSES.	55-59 years.			60-64 years.			65-69 years.			70 years and over.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	—	—	—	—	—	—	—	3	3	4	10	14
3. With cerebral arteriosclerosis	1	3	4	5	3	8	7	5	12	26	11	37
4. General paralysis	—	1	1	2	—	2	1	—	1	—	—	—
5. With cerebral syphilis	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	2	2	1	—	1	—	—	—	—	—	—
9. Alcoholic	4	—	4	—	—	—	1	—	1	2	—	2
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	1	1	—	—	—	—	—	—
12. With other somatic diseases	1	3	4	1	2	3	—	2	2	5	1	6
13. Manic-depressive	2	1	3	1	—	1	1	1	2	1	—	1
14. Involution melancholia	1	2	3	3	1	4	1	3	4	—	—	—
15. Dementia praecox	—	3	3	—	1	1	—	4	4	—	—	—
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	—	1	1	—	1	1	—	—	—	—	—	—
19. With psychopathic personality	—	—	—	—	—	—	—	—	—	—	1	1
20. With mental deficiency	—	2	2	—	1	1	—	—	—	—	1	1
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	—	—	—	—	—	—	—	—	1	—	1
Total	9	18	27	13	10	23	11	18	29	39	24	63

TABLE 9. Degree of Education of First Admissions Classified with Reference to Principal Psychoses.

Psychoses.	Total.		Illiterate			Reads and Writes.*		Common School.		High School.		College.		Unascertained.	
	M.	F.	M.	F.	T.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1. Traumatic	1	—	—	—	1	—	—	—	—	—	—	—	—	—	—
2. Senile	4	13	—	—	17	—	3	—	8	—	—	—	—	—	—
3. With cerebral arteriosclerosis	39	22	4	—	61	11	2	3	11	—	—	—	—	—	—
4. General paralysis	20	4	4	—	24	11	1	12	13	—	—	—	—	—	—
5. With cerebral syphilis	—	1	3	—	4	6	1	7	3	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	4	1	—	—	5	—	—	—	—	—	—	—	—	—	—
9. Alcoholic	41	3	6	—	44	16	3	16	2	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	20	—	—	—	—	—	—
11. With pellagra	—	1	—	—	1	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	9	17	2	1	26	1	1	2	1	—	—	—	—	—	—
13. Manic-depressive	28	36	3	2	64	4	6	10	15	—	—	—	—	—	—
14. Involuntio melancholia	13	6	3	1	19	3	3	7	31	—	—	—	—	—	—
15. Dementia praecox	41	55	1	3	96	3	7	10	4	—	—	—	—	—	—
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	28	—	—	—	—	—	—
17. Epileptic psychoses	—	—	—	—	—	—	—	—	56	—	—	—	—	—	—
18. Psychoneuroses and neuroses	1	2	1	1	3	—	—	—	2	—	—	—	—	—	—
19. With psychopathic personality	—	6	2	—	8	—	—	—	4	—	—	—	—	—	—
20. With mental deficiency	—	10	2	2	12	2	2	4	8	—	—	—	—	—	—
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	7	1	—	—	8	1	—	—	1	—	—	—	—	—	—
Total	214	183	23	10	33	50	21	71	111	103	214	4	7	11	15

* Includes those who did not complete fourth grade in school.

TABLE 10. *Environment of First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES.	Total.			Urban.			Rural.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	1	—	1	1	—	1	—	—	—
2. Senile	4	13	17	4	13	17	—	—	—
3. With cerebral arteriosclerosis	39	22	61	33	21	54	6	1	7
4. General paralysis	20	4	24	19	3	22	1	1	2
5. With cerebral syphilis	—	1	1	—	1	1	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	1	1	—	1	1	—	—	—
8. With other brain or nervous diseases	4	4	8	4	4	8	—	—	—
9. Alcoholic	41	3	44	39	2	41	2	1	3
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—
11. With pellagra	—	1	1	—	1	1	—	—	—
12. With other somatic diseases	9	17	26	8	16	24	1	1	2
13. Manic-depressive	28	36	64	27	34	61	1	2	3
14. Involution melancholia	13	6	19	13	6	19	—	—	—
15. Dementia praecox	41	55	96	39	53	92	2	2	4
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	1	2	3	1	2	3	—	—	—
18. Psychoneuroses and neuroses	—	6	6	—	6	6	—	—	—
19. With psychopathic personality	—	1	1	—	1	1	—	—	—
20. With mental deficiency	6	10	16	4	10	14	2	—	2
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—
22. Without psychosis	7	1	8	6	1	7	1	—	1
Total	214	183	397	198	175	373	16	8	24

TABLE 11. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES.	Total.			Dependent.			Marginal.			Comfortable.			Unascertained.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
2. Senile	4	13	17	2	1	3	1	11	12	1	1	2	—	—	—
3. With cerebral arteriosclerosis	39	22	61	3	2	5	18	18	36	16	1	17	2	1	3
4. General paralysis	20	4	24	3	—	3	16	4	20	—	—	—	1	—	1
5. With cerebral syphilis	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
8. With other brain or nervous diseases	4	4	8	—	—	—	2	3	5	—	1	1	2	—	2
9. Alcoholic	41	3	44	1	1	2	28	2	30	11	—	11	1	—	1
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
12. With other somatic diseases	9	17	26	—	1	1	6	14	20	3	1	4	—	1	1
13. Manic depressive	28	36	64	1	2	3	20	30	50	6	3	9	1	1	2
14. Involution melancholia	13	6	19	—	—	—	10	6	16	2	—	2	1	—	1
15. Dementia praecox	41	55	96	—	4	4	32	48	80	5	3	8	4	—	4
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	1	2	3	—	—	—	—	2	2	1	—	1	—	—	—
18. Psychoneuroses and neuroses	—	6	6	—	—	—	—	5	5	—	1	1	—	—	—
19. With psychopathic personality	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
20. With mental deficiency	6	10	16	—	2	2	5	8	13	1	—	1	—	—	—
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	7	1	8	1	—	1	5	1	6	1	—	1	—	—	—
Total	214	183	397	11	13	24	144	156	300	47	11	58	12	3	15

TABLE 12. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses.*

PSYCHOSES.	Total.			Abstinent.			Temperate.			Intemperate.			Unascertained.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
2. Senile	4	13	17	2	12	14	2	1	3	—	—	—	—	—	—
3. With cerebral arteriosclerosis	39	22	61	19	22	41	17	—	17	2	—	2	1	—	1
4. General paralysis	20	4	24	8	4	12	6	—	6	6	—	6	—	—	—
5. With cerebral syphilis	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	4	4	8	1	4	5	1	—	1	2	—	2	—	—	—
9. Alcoholic	41	3	44	—	—	—	—	—	—	41	3	44	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	9	17	26	5	16	21	3	1	4	1	—	1	—	—	—
13. Manic depressive	28	36	64	8	32	40	13	3	16	6	—	6	1	1	2
14. Involution melancholia	13	6	19	7	6	13	6	—	6	—	—	—	—	—	—
15. Dementia praecox	41	55	96	14	47	61	18	7	25	6	—	6	3	1	4
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	1	2	3	1	2	3	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	—	6	6	—	6	6	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
20. With mental deficiency	6	10	16	4	10	14	2	—	2	—	—	—	—	—	—
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	7	1	8	—	1	1	6	—	6	1	—	1	—	—	—
Total	214	183	397	70	166	236	74	12	86	65	3	68	5	2	7

TABLE 13. Marital Condition of First Admissions Classified with Reference to Principal Psychoses.

PSYCHOSES.	Total.		Single.		Married.		Widowed.		Separated.		Divorced.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1. Traumatic	1	1	1	-	1	-	-	-	-	-	-	-
2. Senile	4	13	1	-	1	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	39	22	7	4	16	8	2	8	-	-	-	1
4. General paralysis	20	61	7	11	14	24	16	10	-	-	1	-
5. With cerebral syphilis	-	4	5	1	14	3	-	-	-	-	-	-
6. With Huntington's chorea	-	1	-	1	-	-	-	-	-	-	-	-
7. With brain tumor	-	1	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	4	4	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	41	3	14	1	25	2	2	-	-	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	1	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	9	17	4	4	5	8	-	1	-	-	-	-
13. Manic-depressive	28	36	12	8	12	23	2	5	1	-	1	-
14. Involution melancholia	13	6	6	-	4	2	3	4	-	-	-	-
15. Dementia praecox	41	55	28	26	11	21	7	7	1	-	2	-
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	1	2	1	1	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	-	6	-	2	-	3	-	1	-	-	-	-
19. With psychopathic personality	-	1	-	2	-	-	-	-	-	-	-	-
20. With mental deficiency	6	10	5	7	1	3	-	-	-	-	-	-
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	7	1	3	-	2	1	1	-	-	-	1	-
Total	214	183	87	57	95	81	26	42	1	1	5	2
			144	68	176				2			7

TABLE 14. *Psychoses of Readmissions.*

PSYCHOSES.	Males.	Females.	Total.
1. Traumatic psychoses	—	—	—
2. Senile psychoses	—	—	—
3. Psychoses with cerebral arteriosclerosis	—	—	—
4. General paralysis	1	1	2
5. Psychoses with cerebral syphilis	—	—	—
6. Psychoses with Huntington's chorea	—	—	—
7. Psychoses with brain tumor	—	—	—
8. Psychoses with other brain or nervous diseases	—	1	1
9. Alcoholic psychoses	2	4	6
10. Psychoses due to drugs and other exogenous toxins	—	—	—
11. Psychoses with pellagra	1	1	2
12. Psychoses with other somatic diseases	12	22	34
13. Manic-depressive psychoses	—	—	—
14. Involution melancholia	16	19	35
15. Dementia praecox	—	—	—
16. Paranoia and paranoid conditions	—	—	—
17. Epileptic psychoses	—	1	1
18. Psychoneuroses and neuroses	—	—	—
19. Psychoses with psychopathic personality	—	1	1
20. Psychoses with mental deficiency	1	—	1
21. Undiagnosed psychoses	—	—	—
22. Without psychosis	2	1	3
Total	35	51	86

TABLE 15. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge.*

PSYCHOSES.	Total.			Recovered.			Improved.			Unimproved.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	—	3	3	—	—	—	—	2	2	—	1	1
3. With cerebral arteriosclerosis	1	3	4	—	—	—	1	3	4	—	—	—
4. General paralysis	3	1	4	—	—	—	2	1	3	1	—	1
5. With cerebral syphilis	—	2	2	—	—	—	—	2	2	—	—	—
6. With Huntington's chorea	—	1	1	—	—	—	—	1	1	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic	30	5	35	23	2	25	5	2	7	2	1	3
10. Due to drugs and other exogenous toxins	—	1	1	—	—	—	—	1	1	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	1	10	11	—	1	1	1	5	6	—	4	4
13. Manic-depressive	18	34	52	10	15	25	7	15	22	1	4	5
14. Involution melancholia	4	1	5	3	—	3	1	1	2	—	—	—
15. Dementia praecox	32	28	60	—	—	—	23	25	48	9	3	12
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	—	1	1	—	—	—	—	1	1	—	—	—
18. Psychoneuroses and neuroses	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	—	2	2	—	—	—	—	1	1	—	1	1
20. With mental deficiency	3	2	5	1	—	1	1	2	3	1	—	1
21. Undiagnosed psychoses	—	2	2	—	—	—	—	2	2	—	—	—
22. Without psychosis	5	6	11	—	—	—	—	—	—	—	—	—
Total	97	102	199	37	18	55	41	64	105	14	14	28

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Psychoses.

CAUSES OF DEATH.	Total.			Senile.			With cerebral arterio-sclerosis.			General paralysis.			Alcoholic.			Manic-depressive.			Involution melancholia.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Epidemic, Endemic and Infectious Diseases.</i>																					
Influenza	3	1	4	-	1	1	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
Lethargic encephalitis	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis of the respiratory system	3	4	7	-	1	1	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-
<i>General Diseases Not Included in Class I</i>																					
Cancer and other malignant tumors	4	6	10	-	-	-	-	1	1	-	-	-	-	-	-	1	1	2	-	-	-
Pellagra	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diabetes	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other general diseases	2	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Nervous System.</i>																					
Tabes dorsalis (locomotor ataxia)	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cerebral hemorrhage, apoplexy	7	18	25	-	3	3	5	8	13	-	-	-	1	-	1	-	2	2	-	1	1
General paralysis of the insane	20	2	22	-	-	-	20	2	22	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of the nervous system	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Circulatory System.</i>																					
Endocarditis and myocarditis	12	21	33	2	5	7	4	5	9	-	-	-	-	-	-	2	2	4	-	-	-
Arteriosclerosis	23	3	26	-	3	3	22	-	22	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of the circulatory system	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Respiratory System.</i>																					
Bronchopneumonia	-	3	3	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lobar pneumonia	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asthma	1	-	1	1	-	1	-	-	-	-	-	-	1	-	1	-	1	-	-	-	-
<i>Diseases of the Digestive System.</i>																					
Diarrhea and enteritis	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Non-Veneral Diseases of Genito-Urinary System and Annexa.</i>																					
Nephritis	8	3	11	-	1	1	3	-	3	-	-	-	2	-	2	-	1	1	-	-	-
Other external causes	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Total	89	66	155	3	17	20	36	14	50	20	2	22	4	-	4	4	8	12	1	1	2

TABLE 16. *Causes of Death of Patients Classified with Reference to Principal Psychoses — Concluded.*

CAUSES OF DEATH.	Dementia praecox.			Paranoia and paranoid conditions.			Epileptic psychoses.			Psycho- neuroses and neuroses.			With psychopathic personality.			With mental deficiency.			All other* psychoses.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Epidemic, Endemic and Infectious Diseases.</i>																					
Influenza	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	2
Lethargic encephalitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculosis of the respiratory system	3	1	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>General Diseases Not Included in Class I.</i>																					
Cancer and other malignant tumors	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	2	3
Pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diabetes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Other general diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	2
<i>Diseases of the Nervous System.</i>																					
Tabes dorsalis (locomotor ataxia)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Cerebral hemorrhage, apoplexy	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2
General paralysis of the insane	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of the nervous system	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
<i>Diseases of the Circulatory System.</i>																					
Endocarditis and myocarditis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arteriosclerosis	2	3	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	1
Other diseases of the circulatory system	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Diseases of the Respiratory System.</i>																					
Bronchopneumonia	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lobar pneumonia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Asthma	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Diseases of the Digestive System.</i>																					
Diarrhea and enteritis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Non-Veneral Diseases of Genito-Urinary System and Anæra.</i>																					
Nephritis	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other external causes.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	11	9	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—
																			10	12	22

* Includes group 22, "without psychosis."

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses.

PSYCHOSES.	Total.			Under 15 years.			15-19 years.			20-24 years.			25-29 years.			30-34 years.			35-39 years.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	3	17	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	36	14	50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. General paralysis	20	2	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	2
5. With cerebral syphilis	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic	4	4	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	7	8	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive	4	8	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14. Involution melancholia	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15. Dementia praecox	11	9	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	89	66	155	—	2	2	—	—	—	1	—	—	—	2	2	4	—	—	2	2	—

TABLE 18. Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses.

Psychoses.	Total.			Less than 1 month.		1-3 months.		4-7 months.		8-12 months.		1-2 years.		3-4 years.	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	3	17	20	-	1	1	-	4	4	-	2	-	-	-	-
2. Senile	36	14	50	8	1	9	14	4	5	5	2	5	1	3	4
3. With cerebral arteriosclerosis	20	12	32	2	2	4	6	6	6	1	6	11	1	2	3
4. General paralysis	-	1	1	-	-	-	-	1	1	-	-	8	4	-	4
5. With cerebral syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	4	2	6	2	1	3	1	-	-	1	1	-	-	1	1
9. Alcoholic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins	7	1	8	5	2	7	-	-	-	-	-	-	-	-	-
11. With pellagra	4	8	12	1	1	2	3	2	2	1	1	2	-	1	1
12. With other somatic diseases	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive	11	9	20	1	-	1	-	-	-	-	-	1	2	-	2
14. Involution melancholia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia praecox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1
18. Psychoneuroses and neuroses	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses	1	-	1	-	-	-	-	-	-	1	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	89	66	155	19	7	26	14	11	25	8	5	13	18	8	16

TABLE 18. Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses — Concluded.

Psychoses,	5-6 years.		7-8 years.		9-10 years.		11-12 years.		13-14 years.		15-19 years.		20 years and over	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	-	2	1	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis	-	-	-	-	-	-	1	-	-	-	-	-	1	-
5. With cerebral syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	1	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	-	-	-	-	1	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive	-	3	-	1	-	-	-	-	-	-	-	-	-	-
14. Involution melancholia	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia praecox	-	-	1	-	1	-	-	-	1	2	2	2	4	1
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	5
17. Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	-	-	-	-	-	-	-	-	-	-	-	-	1
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	1
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	5	2	1	2	-	1	2	3	1	2	2	5	7

TABLE 19. *Family Care Department.*

	Male.	Female.	Total.
Remaining in Family Care Oct. 1, 1928	—	6	6
On visit from Family Care Oct. 1, 1928	—	—	—
Admitted during year	—	1	1
Whole number of cases within the year	—	7	7
Dismissed within the year	—	—	—
Returned to institution	—	—	— ¹
Discharged	—	—	—
On visit	—	—	—
Remaining in Family Care Sept. 30, 1929	—	7	7
Supported by State	—	4	4
Private	—	3	3
Self-supporting	—	—	—
Number of different persons within the year	—	7	7
Number of different persons dismissed	—	—	—
Number of different persons admitted	—	1	1
Average daily number in Family Care during the year	—	6.4	6.4
Supported by State	—	4	4
Private	—	3.4	3.4
Self-supporting	—	—	—

¹ One returned to the hospital from Family Care on June 5, 1928, only staying in the hospital four days, returned at the end of that time back to Family Care.

SS.
CS.
L.

The Commonwealth of Massachusetts

ANNUAL REPORT

OF THE

TRUSTEES

OF THE

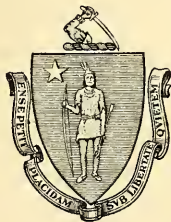
NORTHAMPTON STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30,

1934

DEPARTMENT OF MENTAL DISEASES



PUBLICATION OF THIS DOCUMENT APPROVED BY THE COMMISSION ON ADMINISTRATION AND FINANCE
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OCCUPATIONAL PRINTING PLANT
DEPARTMENT OF MENTAL DISEASES
GARDNER STATE HOSPITAL
EAST GARDNER, MASS.

NORTHAMPTON STATE HOSPITAL

[Post Office Address: Northampton, Mass.]

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MRS. JESSIE BASSETT, Northampton, Mass.
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RHODA U. MUSGRAVE, M.D., *Senior Physician*
B. EDWIN ZAWACKI, M.D., *Senior Physician*
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———, *Assistant Physician*
LUCIEN H. HARRIS, D.D.S., *Dentist*.
FRANK W. SMITH, *Steward*

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ALICE E. BEDELL, R.N., *Superintendent of Nurses*
RHODA L. SMITH, *Psychiatric Social Worker*
PEARL E. BEATON, *Head Occupational Therapist*
ANNA G. ROGERS, *Dietitian*
ELLA R. PARESEAU, *Head Housekeeper*

TRUSTEES' REPORT

To His Excellency, the Governor of the Commonwealth and the Honorable Council:

The Trustees of the Northampton State Hospital have the honor to present their report for the year ending November 30, 1934.

The daily average number of patients was 1,804.36 as compared with 1,776.07 the previous year. The weekly cost of maintenance was \$4.1182 per capita.

During the year several projects under the Public Works Administration have been under construction. A tunnel is nearly completed which connects the main hospital group with the West group. It also connects the West group with the new Power Plant, which is also well underway. There is a new ward building under construction and excavation has been made for a new cafeteria. Plans have been already submitted for a new laundry and storehouse and we expect this work will begin in the near future. With the exception of the storehouse, all of this construction is in the West group. The storehouse has been needed for a long time but the building, which is the so-called Earl building, to be remodeled and enlarged is one in which fifty patients have been cared for. These patients have already been transferred to the over-crowded wards of the main hospital group, and this brings up the subject of the need of two hospital units. One should be for disturbed patients, as it is a well known fact that disturbed patients are excited by over-crowding, therefore, we need a building for this type of patients. The other unit should be a medical unit. To properly place this, however, the farm buildings, which are now situated close to the main hospital group, should be moved farther back on the farm where they would be more convenient and the area vacated would then be an ideal place for a receiving ward and medical unit. In this medical unit there could be a ward for sick employees as well as physically sick patients. We could have a surgical and operating room as well as a physiotherapy department and laboratory.

The cafeteria which is being built will take care of the dining room facilities of the West group but in the main hospital group we are still using the small dining-rooms on the various wards, therefore, we should have a modern diningroom or cafeteria and also a new kitchen for the main hospital group.

During the past year we had a leak in the hot water system which caused some damage to two of our wards. Our engineer feels that the hot water system should be renewed in the hospital building and also the sprinkler system in the basements should be revised.

The Superintendent's report, which follows, will give the other activities of the various departments of the hospital.

Respectfully submitted,

DR. JOHN C. O'BRIEN, *Chairman*

MR. CHARLES W. KING

MRS. EMILY N. NEWTON, *Secretary*

MRS. JESSIE BASSETT

DR. LAURENCE D. CHAPIN

MRS. JAMES W. HEFFERNAN

MR. ALBERT M. DARLING

Trustees.

SUPERINTENDENT'S REPORT

To the Trustees of the Northampton State Hospital:

I submit my report for the year 1934.

MOVEMENT OF POPULATION

The number of patients on our books October 1, 1933 was 2,051. There were admitted during the year 549 making a total of 2,600 under care and treatment during the year. There were discharged to their relatives and transferred to other institutions 370 patients. One hundred and sixty deaths occurred leaving 2,070 patients on the books of this hospital on September 30, 1934 of which 1,807 were in the hospital and 263 patients on visit or otherwise absent.

MEDICAL ACTIVITIES

During the year 1934 the following changes were made on the Medical Staff: —

Dr. Ruth Parker was appointed as assistant physician on February 1, 1934 to fill a vacancy, — bringing the staff to its full quota.

Dr. Guy C. Randall, who was appointed assistant superintendent, began his duties on April 16, 1934.

Dr. Albert U. Bourcier, Senior Physician on the Male Service, resigned on August 27, 1934.

Dr. B. Edwin Zawacki, assistant physician, was promoted to Senior Physician in charge of the Male Service on September 21, 1934.

There is one vacancy on our Medical Staff for an assistant physician. However a physician has been engaged to fill this vacancy on January 1, 1935.

OUT-PATIENT DEPARTMENT

The usual out-patient clinics have been held monthly in Springfield, North Adams, Greenfield and Pittsfield. We have also seen patients at this hospital by appointment. We have a Child Guidance Clinic in both Holyoke and Northampton weekly.

During the past year 867 male patients and 990 female patients, — making a total of 1,857 have been examined through the Out-Patient Department. Three hundred and eighty-three patients reported to clinics; 163 consultations were given; 780 which were referred by Social Agencies; 44 by physicians; 4 from Institutions; 31 referred by relatives and 6 of their own volition. In the School Clinics 389 children were seen for first examinations and 175 for re-examinations. Eighteen referred by the schools for child guidance. One hundred and seventy-five cases were examined for the Courts; 121 being juvenile delinquents.

DENTAL REPORT FOR THE YEAR 1934

Our dentist, Dr. Lucien Harris, examines the teeth of all new patients soon after their admission to the hospital and gives them what treatment seems best.

During the past year, besides the routine examinations, he has given 4,315 treatments including various forms of fillings. He makes plates, cleans the teeth, does extractions, etc.

THE SOCIAL SERVICE DEPARTMENT

Miss Mary-Ellen Hayes, Psychiatric Social Service Worker, resigned on February 10, 1934 to accept a position with the Family Welfare Society of New Haven, Conn.

Miss Rhoda L. Smith, was promoted on February 12, 1934 from assistant to Psychiatric Social Worker.

Miss Marguerite Mower, was appointed assistant psychiatric social worker on June 1, 1934.

Miss Ruth B. Jarvis contributed her services as a volunteer social worker for five months, — from February, 1934 to July, 1934.

Although the Social Service Department has been handicapped due to these changes they have been able to show progress during the year. They secured 120 medical social histories; supervised 312 out-patients in their homes; interviewed 129 relatives in their homes; made 39 visits to Social Agencies; made 42 visits to other persons regarding patients supervised; made 22 visits on the ward; interviewed 216 at clinics and 10 visits were made to other Institutions.

The social work of the two Child Guidance Clinics was taken care of by one of our workers from this Institution.

OCCUPATIONAL AND INDUSTRIAL THERAPY

The industrial therapy department, too small for the size of this hospital, has been kept very busy during the past year in making various forms of brushes, overalls, rugs, shirts, mattresses, etc., and from a financial point of view was quite an asset.

The Occupational Therapy Department is able to carry on more work because of having larger quarters and they also do some work on the wards. They have made over 6,000 towels during the past year and over 24,000 tapes; 600 flower pot covers and many other useful articles, such as curtains, curtain pulls, wall hangings, sweaters, runners, scarfs, etc.

We do not have a recreational leader and the Occupational Therapist has to take charge of the various forms of recreation.

We have had during the year numerous gatherings in our assembly hall including. religious services, dances, concerts, minstrels, plays, movies, parties and the E.R.A. vaudeville and orchestras.

Another project of the Occupational Therapy Department was the editing of a hospital paper which was begun in July of 1934. All of the work done on this paper is by patients and it has taken its place in the hospital and the patients and employees look forward to its issue on every Thursday.

During the summer baseball has been played with various local teams, tennis and horseshoe tournaments have been conducted. The Club House has been used, especially during the winter months, where bowling tournaments have been conducted for both patients and employees. Ping-pong and the radio at the Club House have been enjoyed.

FLORIST DEPARTMENT

Mr. Henry Weidlich, the florist, has kept the hospital wards supplied with beautiful varieties of flowers during the entire year. During the summer months the flower gardens drew much favorable comment from visitors to the hospital. On Easter Sunday the hospital chapel was decorated with flowers and many visitors came to the hospital to see the gorgeous flower display. In the fall exhibit at the Massachusetts State College several first prizes were won in competition.

FARM

The tonnage of the several farm and garden crops was the heaviest in many years, in fact the yield was more than could be easily handled by the kitchen and canning-room. The following are the weights of some of the major crops: —

Silage corn.	400 tons over	Sweet corn.	29,000 pounds
Hay	275 tons	Cucumbers	10,000 pounds
Green feed	200 tons	Onions	52,000 pounds
Potatoes	700 bushels	Peas	8,000 pounds
String beans	40,000 pounds	Turnips	81,000 pounds
Beets	64,000 pounds	Spinach	10,000 pounds

Cabbage	96,000 pounds	Squash	65,000 pounds
Cantaloupes	8,600 pounds	Tomatoes	112,000 pounds
Carrots	60,000 pounds	Strawberries	3,300 pounds
Celery	9,000 pounds	Apples	48,000 pounds

The poultry department had a very successful year with 12,175 dozen of eggs and 7,516 pounds of dressed meat.

The production of the dairy herd was the lowest in several years with 749,720 pounds of milk; 9,230 pounds of beef. This low production may be charged to the poor physical condition of the herd which we expect will be remedied the coming year and to the low production of the daughters of a former service bull.

The swine herd has completed another very successful year with a production of 95,572 pounds of dressed pork. The herd is in a splendid condition.

The farm as a whole is much improved by draining, cutting of brush and the removal of many loads of stones.

The poultry, swine and dairy buildings are in very poor condition and should be repaired in the immediate future.

ENGINEERING DEPARTMENT

The following is a brief list of repairs and renewals which took place in the hospital during the year: —

Installed a new brass liner in the water end of the large vacuum pump.

Installed a new pasteurizer in the milk room at the barn.

Installed new stainless steel sinks in N. I. 1 and L. 3 N.

Installed a porcelain enamel sink in the Assistant Superintendent's apartment.

Reset closets and lavatories and renewed piping to lavatories in the third halls north on three floors.

Renewed the piping and plumbing fixtures on the third floor rear center.

Built in a new bathroom and installed new piping and fixtures in the guest room in the Superintendent's apartment.

Installed new slop sinks, replacing old sinks in the following locations: — L.2.S.; M.2.S.; U.2.S.; S.I.3; and S.I.4

Removed plumbing fixtures and piping from house No. 17 for repairs to house.

Removed all plumbing and heating fixtures from house No. 13 to dismantle house.

Started work on replacing the hot water storage tank at the Employees Home South.

Started installation of a continuous treatment bath tub in the single bath room on S.I.1.

Replaced Akron tile sewer pipe with cast iron pipe through the new laundry plot.

Installed radiators in flues to diningroom and bathroom in L.I.N.

Installed radiator guards in M.2.S.

Installed eight radiator guards and two coil guards in the South Infirmary.

Installed new lighting fixtures in the serving room in the Assistant's Superintendent's apartment.

Installed electric fans in the continuous bathrooms in L.4.A.S.; L.4.S.; and L.4.A.N.

Rewired and installed new lighting fixtures in guest room in the Superintendent's apartment.

Renewed lighting fixtures in two rooms and corridor on the third floor in rear center.

Installed electric clocks in the following locations: — L.I.N.; M.I.N.; U.I.N.; L.3.N.; M.3.N.; U.3.N.; N.I.3.E., and N.I.3.W.

Rewired house No. 17.

Rewired bathroom and stairway in nurses apartment at house No. 1.

Rewired bathroom and kitchen in house No. 5.

Rewired the milk pasteurizer room for motors and lights.

Installed lights over the new gas range in the kitchen.

Replaced old wiring with BX cable in the following locations: —

West dormitory	S.I.1	One dormitory	U.2.S.
Sun parlor	S.I.1.	One light in dining room	L.I.S.
East dormitory	S.I.1.	Toilet	L.3.N.

Bathroom	S.I.3.	Toilet	M.3.N.
One dormitory	U.I.S.	Toilet	U.3.N.
One room	U.I.S.	Dining room	L.3.N.

Renewed electric light fixtures in the following locations:— L.3.N.; M.3.N.; N.I.1. 2nd and 3rd floor serving rooms in Administration Building and U.I.S.

Installed 42 "Fire tox" fire extinguishers at barns, Employees Home South, Nurses Home, Attendants' Home and Club House.

Installed Electro Hydraulic control on dumbwaiter machines at first halls North and South, third Halls North and South and Center. Made improvements and repairs to machines at first halls North and South, 3rd halls South and Center, including construction and installation of new cars and metal guide rails and safety devices to prevent operation of machine from more than one landing at a time and to prevent operation of machine from any landing when any door is open.

Equipped the cafeteria dumbwaiter with safety controls.

Installed radios in the following locations:— U.2.S., S.I.4., L.2.N., U.2.N., and N.I.2.

One thousand seven hundred and seven articles of tin ware were repaired during the year and 212 articles of sheet metal were constructed and also made a sheet iron exhaust duct for the Tumbler Dryer and tinned doors for the cafeteria dumbwaiter.

I wish to express my sincere appreciation to all the employees of the Northampton State Hospital who have cooperated so well during the past year. I also wish to thank you, the Trustees, for your advice during this same year.

Respectfully submitted,

EDWARD W. WHITNEY, M.D.
Superintendent.

VALUATION

November 30, 1934

REAL ESTATE	
Land, 550¾ acres	\$173,665.00
Buildings and betterments	2,170,194.10
	\$2,343,859.10
PERSONAL PROPERTY	
Travel, transportation and office expenses	\$2,368.70
Food	8,224.45
Clothing and materials	22,847.29
Furnishings and household supplies	112,672.67
Medical and general care	2,764.69
Heat and other plant operation	7,231.42
Farm	54,582.86
Garage and grounds	5,282.23
Repairs	9,269.53
	\$225,243.84
SUMMARY	
Real estate	\$2,343,859.10
Personal property	225,243.84
	\$2,569,102.94

FINANCIAL STATEMENT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1934.

STATEMENT OF EARNINGS

Board of Patients	\$93,291.84
Personal Services:	
Reimbursement from Board of Retirement	173.00
Sales:	
Food	\$22.26
Clothing and materials	49.00
Medical and General Care	54.50
Garage and grounds	14.00
Repairs ordinary	6.47
Farm	300.93
Total sales	\$447.16

Miscellaneous:		
Interest on bank balances	\$202.12	
Rents	2,053.72	
Unclaimed wedding rings	10.81	
Total miscellaneous		2,266.65
Total earnings for the year		\$96,178.65
Total cash receipts reverting and transferred to the State Treasurer		\$96,189.32
Accounts receivable outstanding December 1, 1933	\$47.36	
Accounts receivable outstanding November 30, 1934	36.69	
Accounts receivable increased		-\$10.67

MAINTENANCE APPROPRIATION		
Balance from previous year, brought forward		\$16,570.76
Appropriation, current year		491,096.00
Total		\$507,666.76

Expenditures as follows:		
Personal services	\$245,298.57	
Food	85,474.40	
Medical and general care	8,409.18	
Religious instruction	1,290.47	
Farm	21,526.99	
Heat and other plant operation	49,226.25	
Travel, transportation and office expenses	5,742.45	
Garage and grounds	5,142.66	
Clothing and materials	8,717.88	
Furnishings and household supplies	25,803.07	
Repairs ordinary	12,427.82	
Repairs and renewals	13,871.09	

Total maintenance expenditures		\$482,930.83
Balance of maintenance appropriation, November 30, 1934		24,735.93
		\$507,666.76

SPECIAL APPROPRIATIONS		
Balance December 1, 1933, brought forward		\$24,957.00
Appropriations for current year		883,000.00
Total		\$907,957.00
Expended during the year (see statement below)	\$248,327.55	
Reverting to Treasury of Commonwealth	204.62	
		248,532.17
Balance November 30, 1934, carried to next year		\$659,424.83

APPROPRIATION	Act or Resolve	Total Amount Appropriated	Expended during Fiscal Year	Total Expended to Date	Balance at end of Year
Furnishing Male Attendants Home	170-1932	\$13,500.00	\$718.01	\$13,324.04	\$175.96
Male Nurses' Home	245-1931	150,000.00	1,125.72	149,855.97	144.03
Additional land	170-1932	75,000.00	153.64	52,564.98	22,435.02
Power plant Project M-14 Docket 1,027		360,000.00	155,341.27	155,341.27	204,658.73
Ward building, Project M-15 Docket 1,086		242,000.00	78,804.45	78,804.45	163,195.55
Dining and Service building, Project M-16, Docket 1,142		106,000.00	11,855.04	11,855.04	94,144.96
Laundry building, Project M-53 Docket 5,565		94,000.00	272.11	272.11	93,727.89
Storage building, Project M-45, Docket 8,191		81,000.00	57.31	57.31	80,942.69

PER CAPITA

During the year the average number of patients has been, 1,793.
 Total cost of maintenance, \$482,930.83
 Equal to a weekly per capita cost of (52 weeks to year), \$5.1424
 Total receipts for the year, \$96,189.32
 Equal to a weekly per capita of, \$1.0242
 Total net cost of maintenance for year, \$386,741.51
 Net weekly per capita, \$4.1182

Respectfully submitted,

EVA L. GRAVES,

Treasurer.

STATISTICAL TABLES

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION PRESCRIBED BY THE
MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1. *General Information*

(Data correct at end of institution year November 30, 1934)

Date of opening as a hospital for mental diseases, August 16, 1858

Type of hospital: State

Hospital plant:

Value of hospital property:

Real estate, including buildings	\$2,343,859.10
Personal property	225,243.84

Total	\$2,569,102.94
-----------------	----------------

Total acreage of hospital property owned, 550 $\frac{3}{4}$

Total acreage under cultivation during previous year, 236

Officers and employees:

	Actually in Service at End of Year			Vacancies at End of Year		
	M.	F.	T.	M.	F.	T.
Superintendent	—	—	—	1	—	1
Assistant physicians	4	4	8	—	—	—
Total physicians	4	4	8	1	—	1
Stewards	1	—	1	—	—	—
Resident dentists	1	—	1	—	—	—
Pharmacists	1	—	1	—	—	—
Graduate nurses	—	10	10	—	—	—
Other nurses and attendants	87	80	167	—	2	2
Occupational therapists	1	3	4	—	—	—
Social workers	—	2	2	—	—	—
All other officers and employees	66	52	118	3	—	3
Total officers and employees	161	151	312	4	2	6

Classification by Diagnosis, September 30, 1934

Census of Patient Population at end of year:

	Actually in Hospital			Absent from Hospital but Still on Books		
	M.	F.	T.	M.	F.	T.
WHITE						
Insane	832	938	1,770	121	136	257
Mental defectives	11	10	21	—	2	2
Epileptic and mentally defective.	1	—	1	—	—	—
Alcoholics	1	—	1	—	—	—
All other cases	1	—	1	—	—	—
Total	846	948	1,794	122	138	260
OTHER RACES:						
Insane	7	6	13	1	2	3
Total	7	6	13	1	2	3
Grand Total	853	954	1,807	123	140	263

	M.	F.	T.
Patients under treatment in occupational-therapy classes, including physio- cal training, on date of report	14	147	161
Other patients employed in general work of hospital on date of report	140	435	575
Average daily number of all patients actually in hospital during year	837.93	966.43	1,804.36
Voluntary patients admitted during year	—	3	3
Persons given advice or treatment in out-patient clinics during year	105	204	309

TABLE 2. *Movement of Patient Population for the Year Ending September 30, 1934*

(Data in all of the following tables are based on the Statistical Year, October 1, 1933 to September 30, 1934)

	TOTAL			REGULAR COURT COMMITMENT (INSANE)			OBSERVATION			TEMPORARY CARE			VOLUNTARY		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Patients on books of institution September 30, 1933	933	1,118	2,051	918	1,109	2,027	13	9	22	—	—	—	2	—	2
Admissions during year:															
First admissions	243	197	440	206	177	383	24	12	36	13	7	20	—	1	1
Readmissions	58	48	106	48	42	90	7	—	7	3	4	7	—	2	2
Total admissions	301	245	546	254	219	473	31	12	43	16	11	27	—	3	3
Transfers from other mental hospitals	1	2	3	1	2	3	—	—	—	—	—	—	—	—	—
Total received during year	302	247	549	255	221	476	31	12	43	16	11	27	—	3	3
Total on books during year	1,235	1,365	2,600	1,173	1,330	2,503	44	21	65	16	11	27	2	3	5
Discharged from books during year:															
As recovered	44	15	59	36	9	45	8	4	12	—	2	2	—	—	—
As improved	59	100	159	55	90	145	1	6	7	3	3	6	—	1	1
As without psychosis	23	11	34	13	7	20	4	1	5	5	2	7	1	1	2
As without psychosis	32	4	36	9	—	9	19	1	20	4	2	6	1	1	1
Total discharged to community	158	130	288	113	106	219	32	12	44	12	9	21	1	3	4
Transferred to other mental hospitals	27	55	82	27	55	82	—	—	—	—	—	—	—	—	—
Died during year	74	86	160	70	84	154	—	—	—	—	4	2	—	—	—
Total discharged, transferred and died during year	259	271	530	210	245	455	32	12	44	16	11	27	1	3	4
Patients remaining on books of hospital at end of year:															
In hospital	853	954	1,807	847	952	1,799	5	2	7	—	—	—	1	—	1
On parole or otherwise absent	123	140	263	122	140	262	1	—	1	—	—	—	—	—	—
Total!	976	1,094	2,070	969	1,092	2,061	6	2	8	—	—	—	1	—	1

¹The total males and females in the Insane and Observation groups will not balance through September 30, 1934, owing to the fact that 6 males and 7 females had a C.L.S. during the year from Observation 100 to Court.

SUPPLEMENTARY DATA

	M.		F.		T.	
Average daily number of patients on books during year	961.30	1,093.22	2,054.52			
Actually in institution during year	837.93	966.51	1,804.44			
In family care	—	3.64	3.64			
On visit	—	98.22	125.70			
On escape	—	24.37	223.92			
Number of patients actually remaining in institution September 30, 1934:						
State	769	747	1,516			
Reimbursing	84	207	291			
Number of patients in family care September 30, 1934: State	—	1	1			
Number of non-insane patients in hospital at end of institution year:						
Mentally defective	11	10	21			
Epileptic and mentally defective	1	—	—			
Others	2	—	2			

TABLE 3. *Nativity of First Admissions and of Parents of First Admissions*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States ¹	131	118	249	67	69	56	62	61	51
Austria	—	2	2	—	—	—	1	2	1
Canada ²	12	15	27	29	25	22	26	27	22
Czecho-Slovakia	—	3	3	—	1	—	3	3	3
England	4	5	9	8	8	7	7	6	5
Finland	1	1	2	1	1	1	1	2	1
France	1	—	1	2	3	2	1	—	—
Germany	5	2	7	7	7	7	6	5	5
Greece	2	—	2	3	3	3	—	—	—
Holland	—	—	—	1	—	—	—	—	—
Ireland	13	11	24	28	32	27	26	29	23
Italy	8	3	11	14	14	13	5	5	5
Poland	19	11	30	25	25	25	18	18	18
Russia	3	1	4	3	3	3	5	4	4
Scotland	4	4	8	6	6	6	5	4	3
Sweden	3	—	3	3	3	3	3	2	2
Switzerland	—	1	1	1	—	—	2	2	2
Other Countries	—	—	—	1	1	1	—	—	—
Unknown	—	—	—	7	5	3	6	7	6
Total	206	177	383	206	206	179	177	177	151

¹(Persons born in Hawaii, Porto Rico and the Virgin Islands should be recorded as born in the U. S.)²Includes Newfoundland.

TABLE 5. *Citizenship of First Admissions*

	Males	Females	Total
Citizens by birth	131	118	249
Citizens by naturalization	36	26	62
Aliens	36	23	59
Citizenship unknown	3	10	13
Total	206	177	383

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses*

RACE	Total			With syphilitic meningo-encephalitis			With epidemic encephalitis			With other infectious diseases			Alcoholic psychoses			Due to drugs, etc.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	3	2	5	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
English	39	46	85	4	2	6	—	—	—	—	—	—	2	2	4	—	—	—
Finnish	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French	30	24	54	8	1	9	—	1	1	2	—	2	3	—	3	—	—	—
German	7	8	15	2	—	2	—	—	—	—	—	—	—	2	2	—	—	—
Greek	3	—	3	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew	2	7	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Irish	44	32	76	4	—	4	—	—	—	—	—	—	12	—	12	—	—	—
Italian ¹	14	5	19	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Pacific Islander	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian ²	3	4	7	—	—	—	—	—	—	—	—	—	2	1	3	—	—	—
Scotch	7	6	13	—	—	—	—	1	1	—	—	—	—	—	2	—	—	—
Slavonic ³	27	21	48	3	1	4	—	—	—	—	—	—	11	—	11	—	—	—
Syrian	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
West Indian ⁴	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	22	17	39	—	—	—	—	—	—	—	—	—	2	—	2	—	—	—
Race unknown	1	5	6	—	—	—	—	—	—	—	—	—	1	—	1	—	1	1
Total	206	177	383	24	4	28	—	2	2	2	—	2	36	5	41	—	1	1

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	Traumatic psychoses			With cerebral arterio-sclerosis			With other disturbances of circulation			With convulsive disorders (epilepsy)			Senile psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
English	—	—	—	14	12	26	—	2	2	—	1	1	7	2	9
Finnish	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
French	—	—	—	5	4	9	—	—	—	—	—	—	1	—	1
German	—	—	—	2	—	2	—	—	—	—	—	—	—	1	1
Greek	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew	—	—	—	—	2	2	1	—	1	—	—	—	—	—	—
Irish	—	—	—	7	11	18	3	2	5	—	—	—	4	1	5
Italian ¹	—	—	—	3	2	5	—	—	—	—	—	—	—	—	—
Pacific Islander	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Scandinavian ²	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Scotch	—	—	—	3	1	4	—	—	—	—	—	—	—	1	1
Slavonic ³	—	1	1	—	5	5	—	—	—	1	—	1	1	—	1
West Indian ⁴	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Mixed	—	—	—	4	1	5	1	1	2	—	2	2	1	—	1
Race unknown	—	—	—	—	2	2	—	—	—	—	—	—	—	1	1
Total	—	1	1	39	41	80	5	5	10	2	3	5	15	7	22

¹Includes "North" and "South."²Norwegians, Danes, and Swedes.³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.⁴Except Cuba.

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	Involuntional psychoses			Due to other metabolic diseases, etc.			Due to new growth			With organic changes of nervous system			Psycho-neuroses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	2	1	3	—	—	—	—	2	2	—	2	2	—	1	1
Finnish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French	—	1	1	—	2	2	—	—	—	—	1	1	1	—	1
German	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Irish	3	2	5	—	5	5	—	—	—	—	—	—	—	—	—
Italian ¹	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—
Pacific Island	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian ²	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Scotch	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Scotch	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic ³	—	1	1	—	—	—	—	—	—	—	1	1	—	—	—
West Indian ¹	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	1	—	1	—	2	2	—	—	—	1	—	1	—	—	—
Race unknown	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	10	7	17	—	9	9	—	2	2	1	4	5	1	1	2

TABLE 6. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded*

RACE	Manic-Depressive psychoses			Dementia praecox			With psychopathic personality			With mental deficiency			Without psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	1	1	2	—	—	—	—	—	—	1	—	1
English	1	1	2	7	16	23	1	—	1	—	1	1	1	—	1
Finnish	1	—	1	7	12	19	—	—	—	—	2	2	2	—	2
German	—	—	—	2	4	6	—	—	—	—	1	1	—	—	—
Greek	—	—	—	2	—	2	—	—	—	—	—	—	—	—	—
Hebrew	—	1	1	1	3	4	—	—	—	—	1	1	—	—	—
Irish	3	1	4	8	9	17	—	—	—	—	1	1	—	—	—
Italian ¹	—	—	—	7	2	9	—	—	—	1	1	2	—	—	—
Pacific Islander	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian ²	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
Scotch	1	—	1	1	1	2	—	—	—	—	—	—	—	—	—
Slavonic ³	—	1	1	10	10	20	—	—	—	—	1	1	1	—	1
West Indian ¹	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	—	1	1	11	10	21	—	—	—	—	—	—	1	—	1
Race unknown	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
Total	6	6	12	57	70	127	1	—	1	1	8	9	6	1	7

¹Includes "North" and "South"²Norwegians, Danes and Swedes.³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.¹Except Cuba.

TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			0-14 years			15-19 years			20-24 years			25-29 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	24	4	28	-	-	-	-	-	-	-	-	-	1	-	1
With epidemic encephalitis	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
With other infectious diseases	2	-	2	-	-	-	-	-	-	-	-	-	1	-	1
Alcoholic psychoses	36	5	41	-	-	-	-	-	-	-	-	-	1	-	1
Due to drugs, etc.	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	39	41	80	-	-	-	-	-	-	-	-	-	-	-	-
With disturbances of circulation	5	5	10	-	-	-	-	-	-	-	-	-	-	-	-
With convulsive disorders (epilepsy)	2	3	5	-	-	-	-	-	-	-	-	-	1	-	1
Senile psychoses	15	7	22	-	-	-	-	-	-	-	-	-	-	-	-
Involutional psychoses	10	7	17	-	-	-	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	-	9	9	-	-	-	-	-	-	-	-	-	-	2	2
Due to new growth	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	1	4	5	-	-	-	-	-	-	-	-	-	1	1	2
Psychoneuroses	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	6	6	12	-	-	-	-	-	-	2	2	-	1	-	1
Dementia praecox	57	70	127	-	-	-	6	3	9	15	13	28	11	10	21
With psychopathic personality	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	1	8	9	-	-	-	-	-	-	2	2	-	-	-	-
Without psychoses	6	1	7	-	-	-	-	-	-	-	-	-	-	-	-
Total	206	177	383	-	1	1	6	3	9	15	17	32	17	13	30

TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued*

PSYCHOSES	30-34 years			35-39 years			40-44 years			45-49 years			50-54 years			55-59 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	5	1	6	2	-	2	2	2	4	5	-	5	3	-	3	2	-	2
With epidemic encephalitis	-	-	-	-	-	-	-	1	1	-	-	-	-	1	1	-	-	-
With other infectious diseases	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	4	2	6	5	-	5	3	1	4	7	1	8	5	-	5	2	1	3
Due to drugs, etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Traumatic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-	5	4	9	1	4	5
With other disturbances of circulation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	3
With convulsive disorders (epilepsy)	-	-	-	-	-	-	-	1	1	1	1	2	-	-	-	-	-	-
Senile psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Involutional psychoses	-	-	-	-	-	-	2	-	2	-	2	2	4	2	6	2	2	4
Due to other metabolic diseases, etc.	-	1	1	-	1	1	-	-	-	-	1	1	-	-	-	-	1	1
Due to new growth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
With organic change of nervous system	-	-	-	-	-	-	-	1	1	-	-	-	-	1	1	-	1	1
Psychoneuroses	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	1	-	1	1	1	2	-	3	3	1	-	1	1	-	1	-	-	-
Dementia praecox	2	10	12	9	9	18	6	7	13	4	8	12	3	4	7	-	3	3
With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
With mental deficiency	-	-	-	-	1	1	-	1	1	-	1	1	1	-	1	-	-	-
Without psychoses	1	-	1	3	-	3	1	1	2	-	-	-	-	-	-	-	-	-
Total	13	14	27	22	12	34	14	18	32	18	14	32	22	13	35	11	14	25

TABLE 7. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded*

PSYCHOSES	60-64 years			65-69 years			70-74 years			75-79 years			80-84 years			85 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo- encephalitis	2	-	2	2	-	2	-	1	1	-	-	-	-	-	-	-	-	-
With epidemic enceph- alitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other infectious diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	7	-	7	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-
Due to drugs, etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With cerebral arterio- sclerosis	5	7	12	10	4	14	6	8	14	6	7	13	4	4	8	2	3	5
With other disturbances of circulation	-	1	1	2	1	3	-	2	2	1	-	1	-	-	-	-	-	-
With convulsive disorders (epilepsy)	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses	1	1	2	3	1	4	1	3	4	4	1	5	2	-	2	3	1	4
Involutional psychoses	1	1	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-
Due to new growth	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
With organic changes of nervous system	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Psychoneuroses	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Manic-depressive psy- choses	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dementia praecox	-	-	-	-	2	2	-	1	1	1	-	1	-	-	-	-	-	-
With psychopathic per- sonality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	-	2	2	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Without psychoses	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Total	17	13	30	18	12	30	10	15	25	12	10	22	6	4	10	5	4	9

TABLE 9. *Environment of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			0-2,499		2,500-9,999		10,000-24,999		25,000-49,999		50,000-99,999		100,000-249,999		500,000+		Unknown
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	24	4	28	1	5	6	6	1	7	2	2	1	1	8	2	10	1	1
With epidemic encephalitis	2	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
With other infectious diseases	2	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Alcoholic psychoses	36	5	41	5	7	12	4	2	6	6	6	2	2	11	3	14	1	1
Due to drugs, etc.	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Traumatic psychoses	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
With cerebral arteriosclerosis	39	41	80	7	8	15	3	13	16	7	3	10	2	13	18	31	—	—
With other disturbances of circulation	5	5	10	1	1	2	1	1	2	1	—	—	—	2	2	4	—	—
With convulsive disorders (epilepsy)	2	3	5	1	1	2	1	1	2	4	1	5	—	1	1	1	—	—
Senile psychoses	15	7	22	4	1	5	2	1	3	2	2	1	1	4	3	7	—	—
Involuntary psychoses	10	7	17	—	—	—	3	1	4	2	—	2	2	4	5	9	—	—
Due to other metabolic diseases, etc.	—	9	9	—	—	—	—	—	—	—	—	—	—	—	7	7	—	—
Due to new growth	—	2	2	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—
With organic changes of nervous system	—	4	5	—	1	3	—	—	—	—	—	—	—	—	—	—	—	—
Psychoneuroses	1	1	2	—	1	2	—	—	—	—	—	—	—	—	—	—	—	—
Manic-depressive psychoses	6	1	7	—	—	—	2	2	4	—	—	—	—	—	1	1	—	—
Dementia praecox	57	70	127	4	10	16	14	17	31	11	10	21	3	15	27	42	—	—
With psychopathic personality	1	8	9	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—
With mental deficiency	6	1	7	—	—	—	1	1	2	1	1	2	—	—	2	2	—	—
Without psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	206	177	383	23	35	58	37	44	81	35	16	51	10	64	74	138	2	3

TABLE 10. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Dependent			Marginal			Comfortable			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	24	4	28	5	3	8	14	1	15	4	—	4	1	—	1
With epidemic encephalitis	—	2	2	—	—	—	—	1	1	—	1	1	—	—	—
With other infectious diseases	2	—	2	—	—	—	—	—	—	1	—	1	1	—	1
Alcoholic psychoses	36	5	41	6	1	7	24	4	28	5	—	5	1	—	1
Due to drugs, etc.	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1
Traumatic psychoses	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
With cerebral arteriosclerosis	39	41	80	13	23	36	15	11	26	11	5	16	—	2	2
With other disturbances of circulation	5	5	10	1	1	2	2	3	5	2	1	3	—	—	—
With convulsive disorders (epilepsy)	2	3	5	—	1	1	1	1	2	1	—	1	—	1	1
Senile psychoses	15	7	22	8	5	13	4	1	5	2	—	2	1	1	2
Involuntary psychoses	10	7	17	1	—	1	9	6	15	—	—	—	—	1	1
Due to other metabolic diseases, etc.	—	9	9	—	2	2	—	6	6	—	1	1	—	—	—
Due to new growth	—	2	2	—	1	1	—	1	1	—	—	—	—	—	—
With organic changes of nervous system	1	4	5	—	—	—	—	3	3	1	—	1	—	1	1
Psychoneuroses	1	1	2	—	1	1	1	—	1	—	—	—	—	—	—
Manic-depressive psychoses	6	6	12	1	1	2	3	4	7	2	—	2	—	1	1
Dementia praecox	57	70	127	8	24	32	42	31	73	7	12	19	—	3	3
With psychopathic personality	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
With mental deficiency	1	8	9	—	6	6	1	2	3	—	—	—	—	—	—
Without psychoses	6	1	7	—	—	—	4	1	5	2	—	2	—	—	—
Total	206	177	383	43	70	113	120	76	196	39	20	59	4	11	15

TABLE 11. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Abstinent			Temperate			Intemperate			Unknown		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	24	4	28	3	2	5	12	2	14	8	—	8	1	—	1
With epidemic encephalitis	—	2	2	—	2	2	—	—	—	—	—	—	—	—	—
With other infectious diseases	2	—	2	—	—	—	1	—	1	—	—	—	1	—	1
Alcoholic psychoses	36	5	41	—	—	—	—	—	—	36	5	41	—	—	—
Due to drugs, etc.	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
Traumatic psychoses	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
With cerebral arteriosclerosis	39	41	80	28	34	62	8	5	13	3	1	4	—	1	1
With other disturbances of circulation	5	5	10	3	4	7	1	—	1	1	—	1	—	1	1
With convulsive disorders (epilepsy)	2	3	5	—	1	1	2	1	3	—	1	1	—	—	—
Senile psychoses	15	7	22	6	6	12	7	—	7	2	—	2	—	1	1
Involuntary psychoses	10	7	17	5	—	5	4	—	4	1	7	8	—	—	—
Due to other metabolic diseases, etc.	—	9	9	—	8	8	—	—	—	—	—	—	—	1	1
Due to new growth	—	2	2	—	1	1	—	1	1	—	—	—	—	—	—
With organic changes of nervous system	1	4	5	—	3	3	—	1	1	1	—	1	—	—	—
Psychoneuroses	1	1	2	—	1	1	1	—	1	—	—	—	—	—	—
Manic-depressive psychoses	6	6	12	1	2	3	3	2	5	2	1	3	—	1	1
Dementia praecox	57	70	127	19	56	75	26	11	37	11	2	13	1	1	2
With psychopathic personality	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
With mental deficiency	1	8	9	—	7	7	—	1	1	1	—	1	—	—	—
Without psychoses	6	1	7	2	1	3	—	—	—	4	—	4	—	—	—
Total	206	177	383	67	130	197	65	24	89	71	17	88	3	6	9

TABLE 12. *Marital Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Single			Married			Widowed			Divorced			Separated		
	F.		T.	M.		F. T.	M.		F. T.	M.		F. T.	M.		F. T.	M.		F. T.
	M.																	
With syphilitic meningo-encephalitis	24	4	28	4	-	4	12	2	14	4	2	6	1	-	1	3	-	3
With epidemic encephalitis	2	2	2	2	1	1	-	1	1	-	-	-	-	-	-	-	-	-
With other infectious diseases	36	5	41	10	1	11	22	4	26	2	2	2	2	2	2	-	-	-
Alcoholic psychoses	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Due to drugs, etc.	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Traumatic psychoses	39	41	80	4	6	10	17	15	32	15	19	34	2	1	3	1	-	1
With cerebral arteriosclerosis	5	5	10	2	2	2	3	2	5	-	3	3	-	-	-	-	-	-
With other disturbances of circulation	2	3	5	1	-	1	1	3	4	-	-	-	-	-	-	-	-	-
With convulsive disorders (epilepsy)	15	7	22	1	2	3	7	7	14	7	4	11	-	1	1	-	-	-
Senile psychoses	10	7	17	2	3	5	8	4	12	-	-	-	-	-	-	-	-	-
Involutional psychoses	-	2	2	-	2	2	-	7	7	-	-	-	-	-	-	-	-	-
Due to other metabolic diseases, etc.	1	4	5	-	1	1	-	1	1	-	1	1	-	-	-	-	-	-
Due to new growth	-	2	2	-	-	-	-	3	4	-	-	-	-	-	-	-	-	-
With organic changes of nervous system	1	4	5	-	1	1	-	1	1	-	1	1	-	-	-	-	-	-
Psychoneuroses	6	6	12	-	3	2	3	4	7	-	-	-	-	-	-	1	-	1
Manic-depressive psychoses	57	70	127	40	27	67	12	34	46	1	3	4	4	5	9	-	1	1
Dementia praecox	1	-	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
With psychopathic personality	1	-	1	-	3	3	-	4	4	-	-	-	-	-	-	-	-	-
With mental deficiency	6	1	7	2	1	3	1	-	1	2	-	2	1	-	1	-	1	1
Without psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	206	177	383	71	50	121	87	85	172	33	33	66	10	7	17	5	2	7

TABLE 13. *Mental Disorders of All Admissions, All Discharges, All Deaths, 1934, All Cases in Residence and All Cases Out on September 30, 1934, by Status of Admission and Sex*

MENTAL DISORDERS	ALL ADMISSIONS ¹			ALL DISCHARGES ¹			ALL DEATHS			RESIDENT POPULATION			PATIENTS OUT ON VISIT ETC.		
	First Admissions		Read-missions	First Admissions		Read-missions	First Admissions		Read-missions	First Admissions		Read-missions	First Admissions		Read-missions
	M.	F.		M.	F.		M.	F.		M.	F.		M.	F.	
<i>Psychoses Due to or Associated with Infection.</i>															
Syphilis of the Central Nervous System:															
Meningo-encephalitic type (general paresis)	24	4	28	-	1	1	-	-	-	49	16	65	5	3	8
Meningo-vascular type (cerebral syphilis)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other types	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-
With epidemic encephalitis	-	2	2	-	1	1	-	-	-	7	4	11	2	2	-
With other infectious disease	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
<i>Psychoses Due to Intoxication:</i>															
Due to Alcohol:															
Pathological intoxication	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Delirium tremens	10	1	11	-	1	5	-	1	1	5	-	5	3	1	4
Korsakow's psychoses	2	2	4	-	-	2	1	1	-	11	-	11	1	-	-
Acute hallucinosis	22	2	24	1	1	2	1	1	-	21	-	21	1	10	2
Other types	8	-	8	4	1	5	-	1	1	67	9	76	14	7	21
Due to Drugs or Other Exogenous Poisons:															
Due to opium and derivatives	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Due to other drugs	-	2	2	-	-	-	-	-	-	-	1	1	-	1	2
<i>Psychoses Due to Trauma:</i>															
Traumatic delirium	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Post-traumatic personality disorders	-	1	1	-	-	-	-	-	-	2	1	3	-	1	-
Post-traumatic mental deterioration	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-
<i>Psychoses Due to Disturbance of Circulation:</i>															
With cerebral arteriosclerosis	42	46	88	2	1	3	-	-	-	49	68	117	4	3	7
With cerebral embolism	-	-	-	-	-	-	-	-	-	-	-	-	-	10	1
With cardio-renal disease	4	6	10	-	-	-	-	-	-	4	6	10	-	1	1
Other types	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-

TABLE 14. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge*

PSYCHOSES	Total			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	5	4	9	1	—	1	4	4	8	—	—	—
With other forms of syphilis	—	1	1	—	—	—	—	1	1	—	—	—
With epidemic encephalitis	4	4	8	—	1	1	4	3	7	—	—	—
With other infectious diseases	—	1	1	—	1	1	—	—	—	—	—	—
Alcoholic psychoses	17	3	20	11	—	11	6	3	9	—	—	—
Due to drugs, etc.	1	2	3	—	1	1	—	1	1	1	—	1
Traumatic psychoses	1	—	1	—	—	—	1	—	1	—	—	—
With cerebral arteriosclerosis	1	6	7	—	1	1	—	4	4	1	1	2
With other disturbances of circulation	1	2	3	1	1	2	—	1	1	—	—	—
With convulsive disorders (epilepsy)	3	—	3	2	—	2	1	—	1	—	—	—
Senile psychoses	2	4	6	—	—	—	2	3	5	—	1	1
Involuntional psychoses	5	2	7	2	—	2	3	2	5	—	—	—
Due to other metabolic diseases, etc.	1	1	2	—	—	—	—	1	1	1	—	1
Due to new growth	—	1	1	—	—	—	—	1	1	—	—	—
With organic changes of nervous system	2	—	2	—	—	—	2	—	2	—	—	—
Psychoneuroses	—	2	2	—	—	—	—	1	1	—	1	1
Manic-depressive psychoses	28	18	46	18	4	22	8	14	22	2	—	2
Dementia praecox	29	49	78	—	—	—	22	45	67	7	4	11
Paranoia and paranoid conditions	1	—	1	—	—	—	—	—	—	1	—	1
With mental deficiency	3	6	9	1	—	1	2	6	8	—	—	—
Without psychoses	9	—	9	—	—	—	—	—	—	—	—	—
Total	113	106	219	36	9	45	55	90	145	13	7	20

TABLE 15. *Hospital Residence during This Admission of Court First Admissions Discharged during 1934*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	5	4	9	1.01	1.35	1.16
With other forms of syphilis	—	1	1	—	.20	.20
With epidemic encephalitis	4	3	7	2.16	.12	1.28
With other infectious diseases	—	1	1	—	.20	.20
Alcoholic psychoses	16	3	19	.79	.29	.71
Due to drugs, etc.	—	1	1	—	.20	.20
Traumatic psychoses	1	—	1	.29	—	.29
With cerebral arteriosclerosis	1	6	7	.29	.23	.24
With other disturbances of circulation	—	1	1	—	.20	.20
With convulsive disorders (epilepsy)	3	—	3	.62	—	.62
Senile psychoses	2	3	5	.89	.21	.48
Involuntional psychoses	4	2	6	.93	.59	.81
Due to other metabolic diseases, etc.	1	1	2	.20	.04	.12
Due to new growth	—	1	1	—	.46	.46
With organic changes of nervous system	2	—	2	.54	—	.54
Psychoneuroses	—	2	2	—	1.94	1.94
Manic-depressive psychoses	16	11	27	9.16	1.21	1.03
Dementia praecox	20	40	60	1.53	.99	1.17
Paranoia and paranoid conditions	1	—	1	.79	—	.79
With mental deficiency	3	6	9	1.10	5.23	3.86
Without psychoses	6	—	6	.60	—	.60
Total	85	86	171	1.04	1.16	1.10

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Mental Disorders

CAUSES OF DEATH	Total			With syphilitic meningoen- cephalitis	With other forms of syphilis	With epidemic enceph- alitis	With other infectious diseases	Alcoholic psychoses	With cerebral arterio- sclerosis	With other distur- bances of circulation	With convul- sive dis- orders (epilepsy)	Senile psychoses	Invol- utional psychoses		
				M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Infectious and Parasitic Diseases:</i>															
Dysentery	2	5	7	-	-	-	-	-	-	-	-	-	1	1	2
Erysipelas	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Lethargic encephalitis (epidemic)	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis of the respiratory system	3	-	3	-	-	1	1	-	-	-	-	-	-	-	-
Syphilis (non-nervous forms)	1	1	2	1	1	-	-	-	-	-	-	-	-	-	-
<i>Cancer and Other Tumors:</i>															
Cancer and other malignant tumors	2	14	16	-	-	-	-	1	1	-	-	1	2	3	3
Tumor (non-cancerous)	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
<i>Rheumatic Diseases, Nutritional Diseases, Diseases of the Endocrine Glands and Other General Diseases:</i>															
Diabetes	1	1	2	-	-	-	-	-	1	-	1	-	1	1	-
Diseases of the thyroid and parathyroid glands	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Blood and Blood-making Organs:</i>															
Leukemias and pseudo-leukemias	1	-	1	-	-	-	-	-	1	-	1	-	-	-	-
<i>Diseases of the Nervous System and Organs of Special Sense:</i>															
Cerebral hemorrhage	9	4	13	-	-	-	-	1	1	6	2	8	-	1	1
General paralysis of the insane	7	-	7	7	-	-	-	-	-	-	-	-	-	-	-
Epilepsy	1	1	2	-	-	-	-	-	-	-	1	1	-	-	-
Other diseases of the nervous system	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Circulatory System:</i>															
Chronic endocarditis (valvular disease)	2	5	7	-	-	-	-	-	3	3	-	-	-	-	-
Diseases of the myocardium	9	16	25	-	-	-	-	-	8	7	15	-	5	5	-
Diseases of the coronary arteries and angina pectoris	4	1	5	-	-	-	-	-	1	1	1	1	2	2	-
Other diseases of the heart	2	3	5	1	1	-	-	-	1	2	3	-	1	1	-
Arteriosclerosis	9	5	14	-	-	-	-	-	7	1	8	1	1	3	4
Gangrene	1	3	4	-	-	-	-	-	1	2	3	-	1	3	4
Other diseases of the arteries	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-
<i>Diseases of the Respiratory System:</i>															
Bronchopneumonia (including capillary bronchitis)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lobar pneumonia	3	4	7	-	-	-	-	1	1	2	-	2	2	2	-
Other diseases (tuberculosis excepted)	1	2	3	-	-	-	-	-	1	1	-	1	1	1	-

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Mental Disorders — Concluded

CAUSES OF DEATH	Due to other metabolic diseases, etc.		Due to new growth		With organic changes of nervous system		Manic-depressive psychoses		Dementia praecox		With psychopathic personality		With mental deficiency		Without psychoses		
	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.	M.	F. T.	
<i>Infectious and Parasitic Diseases:</i> Dysentery. Erysipelas Lethargic encephalitis (epidemic). Tuberculosis of the respiratory system Syphilis (non-nervous forms) <i>Cancer and Other Tumors:</i> Cancer and other malignant tumors Tumor (non-cancerous) <i>Rheumatic Diseases, Nutritional Diseases, Diseases of the Endocrine Glands and Other General Diseases:</i> Diabetes Diseases of the thyroid and parathyroid glands <i>Diseases of the Blood and Blood-making Organs:</i> Leukemias and pseudo-leukemias. <i>Diseases of the Nervous System and Organs of Special Sense:</i> Cerebral hemorrhage Epilepsy Other diseases of the nervous system <i>Diseases of the Circulatory System:</i> Chronic endocarditis (valvular disease) Diseases of the myocardium Diseases of the coronary arteries and angina pectoris Other diseases of the heart Arteriosclerosis Gangrene Other diseases of the arteries <i>Diseases of the Respiratory System:</i> Bronchopneumonia (including capillary bronchitis) Lobar pneumonia Other diseases (tuberculosis excepted) <i>Diseases of the Digestive System:</i> Other diseases of the stomach (cancer excepted) Diarrhea and enteritis Appendicitis Peritonitis.	-	-	-	-	1	1	-	2	2	1	-	1	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	1	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	2	2	-	2	2	-	-	-	1	2	3	-	1	1	-	-
	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	1	1	-	-	-	-	-	1	1	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	1	1	-	-	-	-	-	-	1	1	2	-	-	-	-	-
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TABLE 18. Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses

Psychoses	Total			Less than 1 month			1-3 months			4-7 months			8-12 months			1-2 years		
	M. F. T.			M. F. T.			M. F. T.			M. F. T.			M. F. T.			M. F. T.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	10	1	10	-	-	-	-	-	-	4	-	4	2	-	2	2	-	2
With other forms of syphilis	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With epidemic encephalitis	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
With other infectious diseases	2	2	4	2	2	4	-	2	-	-	-	-	-	-	-	-	-	-
Alcoholic psychoses	2	2	4	2	4	1	-	1	-	-	-	-	-	-	-	-	-	-
With cerebral arteriosclerosis	30	28	58	7	4	11	2	6	8	6	2	8	3	3	6	7	-	13
With other disturbances of circulation	2	2	4	1	1	2	1	-	1	-	-	-	-	-	-	-	-	-
With convulsive disorders (epilepsy)	2	1	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Senile psychoses	5	17	22	-	-	-	-	3	3	3	4	7	-	-	2	1	-	-
Involitional psychoses	2	4	6	-	-	-	-	-	-	1	-	1	-	-	-	1	1	2
Due to other metabolic diseases, etc.	1	6	7	-	2	2	-	1	1	-	-	-	-	-	-	1	1	-
Due to new growth	-	2	2	-	1	1	-	-	-	-	-	-	1	1	-	-	-	-
With organic changes of nervous system	-	4	4	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-
Manic-depressive psychoses	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dementia praecox	12	21	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With psychopathic personality	9	1	10	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
With mental deficiency	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Without psychoses	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	70	84	154	11	13	24	3	10	13	15	7	22	5	6	11	13	15	28

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TABLE 19. *Average Length of Hospital Residence during the Present Admission of All First Admission Cases in Residence on September 30, 1934*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	49	16	65	2.71	3.18	2.82
With other forms of syphilis	2	—	2	3.00	—	3.00
With epidemic encephalitis	7	4	11	5.21	5.00	5.14
Alcoholic psychoses	104	9	113	6.55	13.06	7.07
Due to drugs, etc.	—	2	2	—	3.98	3.98
Traumatic psychoses	4	1	5	9.00	.45	7.29
With cerebral arteriosclerosis	49	68	117	1.80	1.99	1.91
With other disturbances of circulation	5	6	11	2.07	5.32	3.84
With convulsive disorders (epilepsy)	5	2	7	5.29	10.00	6.64
Senile psychoses	28	25	53	2.80	4.09	3.41
Involuntional psychoses	40	27	67	3.76	2.95	3.44
Due to other metabolic diseases, etc.	2	12	14	10.50	2.82	3.94
Due to new growth	—	1	1	—	12.50	12.50
With organic changes of nervous system	1	2	3	7.50	.98	3.15
Psychoneuroses	—	3	3	—	2.15	2.15
Manic-depressive psychoses	20	28	48	6.94	5.29	6.00
Dementia praecox	300	448	748	8.91	9.40	9.21
With psychopathic personality	3	3	6	8.48	15.83	12.16
With mental deficiency	40	36	76	11.25	6.27	8.89
Without psychoses	12	9	21	8.99	13.78	11.04
Total	671	702	1,373	6.96	2.25	4.55

TABLE 19A. *Average Length of Hospital Residence during the Present Admission of All Readmission Cases in Residence on September 30, 1934*

PSYCHOSES	Number			Average Net Hospital Residence in Years		
	M.	F.	T.	M.	F.	T.
With syphilitic meningo-encephalitis	2	1	3	2.00	.45	1.48
With epidemic encephalitis	1	1	2	2.45	2.50	1.48
Alcoholic psychoses	16	7	23	8.81	6.36	8.06
With cerebral arteriosclerosis	4	2	6	1.99	.98	1.65
With other disturbances of circulation	—	1	1	—	12.50	12.50
With convulsive disorders (epilepsy)	2	3	5	3.00	14.83	10.10
Senile psychoses	2	—	2	.45	—	.45
Involuntional psychoses	10	7	17	1.99	3.63	2.66
Due to other metabolic diseases, etc.	—	2	2	—	12.50	12.50
With organic changes of nervous system	—	1	1	—	1.50	1.50
Psychoneuroses	—	2	2	—	4.50	4.50
Manic-depressive psychoses	26	39	65	7.66	5.03	6.08
Dementia praecox	100	173	273	11.38	8.09	9.29
With psychopathic personality	—	1	1	—	7.50	7.50
With mental deficiency	17	11	28	8.52	10.68	9.37
Without psychoses	2	1	3	.45	4.50	1.80
Total	182	252	434	9.13	7.51	8.12

TABLE 20. *Family Care Statistics for Year Ending September 30, 1934*

	Males	Females	Total
Remaining in Family Care September 30, 1933	—	4	4
On Visit from Family Care September 30, 1933	—	—	—
Admitted to Family Care During the Year	—	3	3
Whole Number of Cases within the Year	—	7	7
Discharged from Family Care within the Year	—	1	1
From Family Care to Visit Status	—	1	1
Returned to Institution	—	1	1
Remaining in Family Care September 30, 1934	—	4	4
On Visit from Family Care September 30, 1934	—	1	1
Average Daily Number in Family Care During Year:	—	3.42	3.42
Supported by State	—	1	1

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